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Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673
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December 10, 2008

US EPA RECORDS CENTER REGION 5



Ms. Angye Dragotta
Environmental Quality Management, Inc.
1800 Carillon Boulevard
Cincinnati, OH 45240

Phone: (513) 742-7256
Fax: (513) 825-7495

RE: Trace Project T08L083
Client Project Texas Township Drum / 030281-0014

Dear Ms. Dragotta:

Enclosed are your analytical results.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work. Some reports may have raised reporting limits to correct for percent solids.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,

Jon Mink
Project Manager

Enclosures



TRACE OPERATES IN COMPLIANCE WITH THE DEPARTMENT OF DEFENSE
QUALITY SYSTEMS MANUAL FOR ENVIRONMENTAL LABORATORIES

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www.trace-labs.com

SAMPLE SUMMARY

Trace Project ID: T08L083

Client Project ID: Texas Township Drum / 030281-0014

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
T08L083-01	Rolloff #4	Solid	Client	12/02/08 11:45	12/08/08 14:47
T08L083-02	Rolloff #5	Solid	Client	12/02/08 11:35	12/08/08 14:47

CERTIFICATE OF ANALYSIS

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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MS	Matrix Spike
MSD	Matrix Spike Duplicate
RPD	Relative Percent Difference
DUP	Matrix Duplicate
RDL	Reporting Detection Limit
MCL	Maximum Contamination Limit
TIC	Tentatively Identified Compound
<, ND or U	Indicates the compound was analyzed for but not detected
*	Indicates a result that exceeds its associated MCL or Surrogate control limits
N	Indicates that the compound has not been evaluated by NELAC
NA	Indicates that the compound is not available.

DATA QUALIFIERS

Trace ID: T008512-MS1

Analysis: EPA 7470A

Mercury	Note 208 : The MS recovery was out of control. Because the MSD recovery and the RPD between the MS and the MSD were in control, no data require qualification.
----------------	--

Trace ID: T008512-MSD1

Analysis: EPA 7470A

Mercury	Note 208 : The MS recovery was out of control. Because the MSD recovery and the RPD between the MS and the MSD were in control, no data require qualification.
----------------	--

Trace ID: T008516-MS1

Analysis: EPA 6010B

Arsenic	Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.
----------------	--

Chromium	Note 226 : The MS recovery was out of control, resulting in an out of control RPD between the MS and MSD. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.
-----------------	--

Lead	Note 224 : The MS recovery was out of control. The MSD recovery and associated RPD were in control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.
-------------	--

Trace ID: T008516-MSD1

Analysis: EPA 6010B

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Arsenic

Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Chromium

Note 226 : The MS recovery was out of control, resulting in an out of control RPD between the MS and MSD. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Trace ID: T008517-MS1

Analysis: EPA 6010B
Barium

Note 213 : The MS and MSD recoveries were out of control high. The RPD between the MS and MSD was also out of control. The result for this analyte, in non-spiked version of the sample, must be considered estimated.

Chromium

Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Lead

Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Analysis: EPA 6020
Arsenic

Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Selenium

Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Silver

Note 210 : The MS and MSD recoveries were out of control low. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.

Trace ID: T008517-MSD1

Analysis: EPA 6010B
Barium

Note 213 : The MS and MSD recoveries were out of control high. The RPD between the MS and MSD was also out of control. The result for this analyte, in non-spiked version of the sample, must be considered estimated.

Chromium

Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Lead

Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Analysis: EPA 6020
Arsenic

Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

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Selenium

Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Silver

Note 210 : The MS and MSD recoveries were out of control low. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.

Analysis: EPA 7471A

Mercury

Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Trace ID: T08L083-01

Analysis: EPA 6020

Silver

Note 210 : The MS and MSD recoveries were out of control low. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.

Analysis: EPA 7471A

Mercury

Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

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November 26, 2008

Ms. Angye Dragotta
Environmental Quality Management, Inc.
1800 Carillon Boulevard
Cincinnati, OH 45240

Phone: (513) 742-7256
Fax: (513) 825-7495

RE: Trace Project T08K217
Client Project Texas Township Drum / 030281.0014

Dear Ms. Dragotta:

Enclosed are your analytical results.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work. Some reports may have raised reporting limits to correct for percent solids.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at .

Sincerely,

DRAFT REPORT
DATA SUBJECT TO CHANGE

Enclosures

11.146178671

11.0460424027

11.04583333

11.048584335



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SAMPLE SUMMARY

Trace Project ID: T08K217
Client Project ID: Texas Township Drum / 030281.0014

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
T08K217-01	DRAFT: OATTER-112108-06-SL	Solid	Client	11/21/08 12:00	11/21/08 14:56
T08K217-02	DRAFT: OATTER-112108-07-SL	Solid	Client	11/21/08 12:04	11/21/08 14:56
T08K217-03	DRAFT: OATTER-112108-08-SL	Solid	Client	11/21/08 11:53	11/21/08 14:56
T08K217-04	DRAFT: OATTER-112108-09-SL	Solid	Client	11/21/08 11:40	11/21/08 14:56
T08K217-05	DRAFT: OATTER-112108-09-SL-DP	Solid	Client	11/21/08 11:41	11/21/08 14:56
T08K217-06	DRAFT: OATTER-112108-10-SL	Solid	Client	11/21/08 12:11	11/21/08 14:56
T08K217-07	DRAFT: OATTER-112108-11-SL	Solid	Client	11/21/08 11:13	11/21/08 14:56
T08K217-08	DRAFT: OATTER-112108-12-SL	Solid	Client	11/21/08 11:21	11/21/08 14:56
T08K217-09	DRAFT: OATTER-112108-13-SL	Solid	Client	11/21/08 12:55	11/21/08 14:56
T08K217-10	DRAFT: OATTER-112108-14-SL	Solid	Client	11/21/08 12:58	11/21/08 14:56
T08K217-11	DRAFT: OATTER-112108-01-CR	Concrete	Client	11/21/08 14:30	11/21/08 14:56

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DEFINITIONS

LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MS	Matrix Spike
MSD	Matrix Spike Duplicate
RPD	Relative Percent Difference
DUP	Matrix Duplicate
RDL	Reporting Detection Limit
MCL	Maximum Contamination Limit
TIC	Tentatively Identified Compound
< ND or U	Indicates the compound was analyzed for but not detected
*	Indicates a result that exceeds its associated MCL or Surrogate control limits
N	Indicates that the compound has not been evaluated by NELAC
NA	Indicates that the compound is not available.

DATA QUALIFIERS

Trace ID: T08K217-09

Analysis: EPA 6020

Arsenic

Note 211 : The MS and MSD recoveries were out of control high. The result for this analyte, in non-spiked version of the sample, must be considered estimated.



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ANALYTICAL RESULTS

Trace Project ID: T08K217
 Client Project ID: Texas Township Drum / 030281.0014

Trace ID:	T08K217-01	Date Collected:	11/21/08 12:00		Matrix:	Solid
Sample ID:	DRAFT: OATTER-112108-06-SL	Date Received:	11/21/08 14:56			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES MCL

DRAFT: SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8270C

<i>Batch: T008289</i>								
Pyridine	<0.40 mg/L	0.40	2	11/24/08	kb	11/25/08	avl	5.0
2-Methylphenol (o-Cresol)	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	200
3,4-Methylphenol (m,p Cresol)	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	200
Hexachloroethane	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	3.0
Nitrobenzene	<0.020 mg/L	0.020	2	11/24/08	kb	11/25/08	avl	2.0
Hexachlorobutadiene	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	0.50
2,4,6-Trichlorophenol	<0.020 mg/L	0.020	2	11/24/08	kb	11/25/08	avl	2.0
2,4,5-Trichlorophenol	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	400
2,4-Dinitrotoluene	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	0.13
Hexachlorobenzene	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	0.13
Pentachlorophenol	<0.10 mg/L	0.10	2	11/24/08	kb	11/25/08	avl	100
<i>Surrogates:</i>								
2-Fluorophenol	53 %	20-53	2	11/24/08	kb	11/25/08	avl	
Phenol-d5	31 %	11-40	2	11/24/08	kb	11/25/08	avl	
Nitrobenzene-d5	79 %	36-103	2	11/24/08	kb	11/25/08	avl	
2-Fluorobiphenyl	77 %	36-119	2	11/24/08	kb	11/25/08	avl	
2,4,6-Tribromophenol	84 %	30-105	2	11/24/08	kb	11/25/08	avl	
Terphenyl-d14	84 %	37-109	2	11/24/08	kb	11/25/08	avl	

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ANALYTICAL RESULTS

Trace Project ID: T08K217
 Client Project ID: Texas Township Drum / 030281.0014

Trace ID:	T08K217-02	Date Collected:	11/21/08 12:04	Matrix:	Solid
Sample ID:	DRAFT: OATTER-112108-07-SL	Date Received:	11/21/08 14:56		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY NOTES MCL

DRAFT: SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8270C

Batch: T008289

Pyridine	<0.40 mg/L	0.40	2	11/24/08	kb	11/25/08	avl	5.0
2-Methylphenol (o-Cresol)	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	200
3,4-Methylphenol (m,p Cresol)	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	200
Hexachloroethane	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	3.0
Nitrobenzene	<0.020 mg/L	0.020	2	11/24/08	kb	11/25/08	avl	2.0
Hexachlorobutadiene	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	0.50
2,4,6-Trichlorophenol	<0.020 mg/L	0.020	2	11/24/08	kb	11/25/08	avl	2.0
2,4,5-Trichlorophenol	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	400
2,4-Dinitrotoluene	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	0.13
Hexachlorobenzene	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	0.13
Pentachlorophenol	<0.10 mg/L	0.10	2	11/24/08	kb	11/25/08	avl	100
Surrogates:								
2-Fluorophenol	39 %	20-53	2	11/24/08	kb	11/25/08	avl	
Phenol-d5	22 %	11-40	2	11/24/08	kb	11/25/08	avl	
Nitrobenzene-d5	61 %	36-103	2	11/24/08	kb	11/25/08	avl	
2-Fluorobiphenyl	59 %	36-119	2	11/24/08	kb	11/25/08	avl	
2,4,6-Tribromophenol	63 %	30-105	2	11/24/08	kb	11/25/08	avl	
Terphenyl-d14	65 %	37-109	2	11/24/08	kb	11/25/08	avl	

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ANALYTICAL RESULTS

Trace Project ID: T08K217

Client Project ID: Texas Township Drum / 030281.0014

Trace ID:	T08K217-03	Date Collected:	11/21/08 11:53	Matrix:	Solid
Sample ID:	DRAFT: OATTER-112108-08-SL	Date Received:	11/21/08 14:56		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY NOTES MCL

DRAFT: SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8270C

Batch: T008289

Pyridine	<0.40 mg/L	0.40	2	11/24/08 kb	11/25/08 kb	avl	5.0
2-Methylphenol (o-Cresol)	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	200
3,4-Methylphenol (m,p Cresol)	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	200
Hexachloroethane	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	3.0
Nitrobenzene	<0.020 mg/L	0.020	2	11/24/08 kb	11/25/08 kb	avl	2.0
Hexachlorobutadiene	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	0.50
2,4,6-Trichlorophenol	<0.020 mg/L	0.020	2	11/24/08 kb	11/25/08 kb	avl	2.0
2,4,5-Trichlorophenol	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	400
2,4-Dinitrotoluene	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	0.13
Hexachlorobenzene	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	0.13
Pentachlorophenol	<0.10 mg/L	0.10	2	11/24/08 kb	11/25/08 kb	avl	100
Surrogates:							
2-Fluorophenol	44 %	20-53	2	11/24/08 kb	11/25/08 kb	avl	
Phenol-d5	26 %	11-40	2	11/24/08 kb	11/25/08 kb	avl	
Nitrobenzene-d5	68 %	36-103	2	11/24/08 kb	11/25/08 kb	avl	
2-Fluorobiphenyl	65 %	36-119	2	11/24/08 kb	11/25/08 kb	avl	
2,4,6-Tribromophenol	71 %	30-105	2	11/24/08 kb	11/25/08 kb	avl	
Terphenyl-d14	74 %	37-109	2	11/24/08 kb	11/25/08 kb	avl	

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ANALYTICAL RESULTS

Trace Project ID: T08K217

Client Project ID: Texas Township Drum / 030281.0014

Trace ID:	T08K217-04	Date Collected:	11/21/08 11:40	Matrix:	Solid
Sample ID:	DRAFT: OATTER-112108-09-SL	Date Received:	11/21/08 14:56		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY NOTES MCL

DRAFT: SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8270C

Batch: T008289

Pyridine	<0.40 mg/L	0.40	2	11/24/08	kb	11/25/08	avl	5.0
2-Methylphenol (o-Cresol)	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	200
3,4-Methylphenol (m,p Cresol)	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	200
Hexachloroethane	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	3.0
Nitrobenzene	<0.020 mg/L	0.020	2	11/24/08	kb	11/25/08	avl	2.0
Hexachlorobutadiene	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	0.50
2,4,6-Trichlorophenol	<0.020 mg/L	0.020	2	11/24/08	kb	11/25/08	avl	2.0
2,4,5-Trichlorophenol	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	400
2,4-Dinitrotoluene	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	0.13
Hexachlorobenzene	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	0.13
Pentachlorophenol	<0.10 mg/L	0.10	2	11/24/08	kb	11/25/08	avl	100
Surrogates:								
2-Fluorophenol	41 %	20-53	2	11/24/08	kb	11/25/08	avl	
Phenol-d5	24 %	11-40	2	11/24/08	kb	11/25/08	avl	
Nitrobenzene-d5	65 %	36-103	2	11/24/08	kb	11/25/08	avl	
2-Fluorobiphenyl	62 %	36-119	2	11/24/08	kb	11/25/08	avl	
2,4,6-Tribromophenol	66 %	30-105	2	11/24/08	kb	11/25/08	avl	
Terphenyl-d14	69 %	37-109	2	11/24/08	kb	11/25/08	avl	

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www.trace-labs.com

ANALYTICAL RESULTS

Trace Project ID: T08K217
Client Project ID: Texas Township Drum / 030281.0014

Trace ID:	T08K217-05	Date Collected:	11/21/08 11:41		Matrix:	Solid
Sample ID:	DRAFT: OATTER-112108-09-SL-DP	Date Received:	11/21/08 14:56			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES MCL

DRAFT: SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8270C

Batch: T008289

Pyridine	<0.40 mg/L	0.40	2	11/24/08 kb	11/25/08 kb	avl	5.0
2-Methylphenol (o-Cresol)	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	200
3,4-Methylphenol (m,p Cresol)	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	200
Hexachloroethane	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	3.0
Nitrobenzene	<0.020 mg/L	0.020	2	11/24/08 kb	11/25/08 kb	avl	2.0
Hexachlorobutadiene	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	0.50
2,4,6-Trichlorophenol	<0.020 mg/L	0.020	2	11/24/08 kb	11/25/08 kb	avl	2.0
2,4,5-Trichlorophenol	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	400
2,4-Dinitrotoluene	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	0.13
Hexachlorobenzene	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	0.13
Pentachlorophenol	<0.10 mg/L	0.10	2	11/24/08 kb	11/25/08 kb	avl	100
<i>Surrogates:</i>							
2-Fluorophenol	29 %	20-53	2	11/24/08 kb	11/25/08 kb	avl	
Phenol-d5	16 %	11-40	2	11/24/08 kb	11/25/08 kb	avl	
Nitrobenzene-d5	54 %	36-103	2	11/24/08 kb	11/25/08 kb	avl	
2-Fluorobiphenyl	53 %	36-119	2	11/24/08 kb	11/25/08 kb	avl	
2,4,6-Tribromophenol	54 %	30-105	2	11/24/08 kb	11/25/08 kb	avl	
Terphenyl-d14	59 %	37-109	2	11/24/08 kb	11/25/08 kb	avl	

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ANALYTICAL RESULTS

Trace Project ID: T08K217

Client Project ID: Texas Township Drum / 030281.0014

Trace ID:	T08K217-06	Date Collected:	11/21/08 12:11		Matrix:	Solid
Sample ID:	DRAFT: OATTER-112108-10-SL	Date Received:	11/21/08 14:56			
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES MCL

DRAFT: SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8270C

Batch: T008289

Pyridine	<0.40 mg/L	0.40	2	11/24/08 kb	11/25/08 kb	avl	5.0
2-Methylphenol (o-Cresol)	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	200
3,4-Methylphenol (m,p Cresol)	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	200
Hexachloroethane	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	3.0
Nitrobenzene	<0.020 mg/L	0.020	2	11/24/08 kb	11/25/08 kb	avl	2.0
Hexachlorobutadiene	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	0.50
2,4,6-Trichlorophenol	<0.020 mg/L	0.020	2	11/24/08 kb	11/25/08 kb	avl	2.0
2,4,5-Trichlorophenol	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	400
2,4-Dinitrotoluene	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	0.13
Hexachlorobenzene	<0.050 mg/L	0.050	2	11/24/08 kb	11/25/08 kb	avl	0.13
Pentachlorophenol	<0.10 mg/L	0.10	2	11/24/08 kb	11/25/08 kb	avl	100
Surrogates:							
2-Fluorophenol	36 %	20-53	2	11/24/08 kb	11/25/08 kb	avl	
Phenol-d5	20 %	11-40	2	11/24/08 kb	11/25/08 kb	avl	
Nitrobenzene-d5	61 %	36-103	2	11/24/08 kb	11/25/08 kb	avl	
2-Fluorobiphenyl	58 %	36-119	2	11/24/08 kb	11/25/08 kb	avl	
2,4,6-Tribromophenol	63 %	30-105	2	11/24/08 kb	11/25/08 kb	avl	
Terphenyl-d14	66 %	37-109	2	11/24/08 kb	11/25/08 kb	avl	

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ANALYTICAL RESULTS

Trace Project ID: T08K217
 Client Project ID: Texas Township Drum / 030281.0014

Trace ID:	T08K217-07	Date Collected:	11/21/08 11:13	Matrix:	Solid
Sample ID:	DRAFT: OATTER-112108-11-SL	Date Received:	11/21/08 14:56		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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DRAFT: SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8270C

<i>Batch: T008289</i>								
Pyridine	<0.40 mg/L	0.40	2	11/24/08	kb	11/25/08	avl	5.0
2-Methylphenol (o-Cresol)	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	200
3,4-Methylphenol (m,p Cresol)	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	200
Hexachloroethane	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	3.0
Nitrobenzene	<0.020 mg/L	0.020	2	11/24/08	kb	11/25/08	avl	2.0
Hexachlorobutadiene	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	0.50
2,4,6-Trichlorophenol	<0.020 mg/L	0.020	2	11/24/08	kb	11/25/08	avl	2.0
2,4,5-Trichlorophenol	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	400
2,4-Dinitrotoluene	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	0.13
Hexachlorobenzene	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	0.13
Pentachlorophenol	<0.10 mg/L	0.10	2	11/24/08	kb	11/25/08	avl	100
<i>Surrogates:</i>								
2-Fluorophenol	* 72 %	20-53	2	11/24/08	kb	11/25/08	avl	
Phenol-d5	* 41 %	11-40	2	11/24/08	kb	11/25/08	avl	
Nitrobenzene-d5	* 118 %	36-103	2	11/24/08	kb	11/25/08	avl	
2-Fluorobiphenyl	113 %	36-119	2	11/24/08	kb	11/25/08	avl	
2,4,6-Tribromophenol	* 134 %	30-105	2	11/24/08	kb	11/25/08	avl	
Terphenyl-d14	* 124 %	37-109	2	11/24/08	kb	11/25/08	avl	

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ANALYTICAL RESULTS

Trace Project ID: T08K217

Client Project ID: Texas Township Drum / 030281.0014

Trace ID:	T08K217-08	Date Collected:	11/21/08 11:21	Matrix:	Solid
Sample ID:	DRAFT: OATTER-112108-12-SL	Date Received:	11/21/08 14:56		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY NOTES MCL

DRAFT: SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8270C

Batch: T008289

Pyridine	<0.40 mg/L	0.40	2	11/24/08	kb	11/25/08	avl	5.0
2-Methylphenol (o-Cresol)	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	200
3,4-Methylphenol (m,p Cresol)	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	200
Hexachloroethane	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	3.0
Nitrobenzene	<0.020 mg/L	0.020	2	11/24/08	kb	11/25/08	avl	2.0
Hexachlorobutadiene	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	0.50
2,4,6-Trichlorophenol	<0.020 mg/L	0.020	2	11/24/08	kb	11/25/08	avl	2.0
2,4,5-Trichlorophenol	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	400
2,4-Dinitrotoluene	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	0.13
Hexachlorobenzene	<0.050 mg/L	0.050	2	11/24/08	kb	11/25/08	avl	0.13
Pentachlorophenol	<0.10 mg/L	0.10	2	11/24/08	kb	11/25/08	avl	100
Surrogates:								
2-Fluorophenol	40 %	20-53	2	11/24/08	kb	11/25/08	avl	
Phenol-d5	22 %	11-40	2	11/24/08	kb	11/25/08	avl	
Nitrobenzene-d5	67 %	36-103	2	11/24/08	kb	11/25/08	avl	
2-Fluorobiphenyl	64 %	36-119	2	11/24/08	kb	11/25/08	avl	
2,4,6-Tribromophenol	71 %	30-105	2	11/24/08	kb	11/25/08	avl	
Terphenyl-d14	76 %	37-109	2	11/24/08	kb	11/25/08	avl	

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ANALYTICAL RESULTS

Trace Project ID: T08K217

Client Project ID: Texas Township Drum / 030281.0014

Trace ID:	T08K217-09	Date Collected:	11/21/08 12:55		Matrix:	Solid
Sample ID:	DRAFT: OATTER-112108-13-SL	Date Received:	11/21/08 14:56			

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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DRAFT: SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8270C

Batch: T008289

Pyridine	<0.040 mg/L	0.040	2	11/24/08	kb	11/26/08	avl	5.0
2-Methylphenol (o-Cresol)	<0.0050 mg/L	0.0050	2	11/24/08	kb	11/26/08	avl	200
3,4-Methylphenol (m,p Cresol)	<0.0050 mg/L	0.0050	2	11/24/08	kb	11/26/08	avl	200
Hexachloroethane	<0.0050 mg/L	0.0050	2	11/24/08	kb	11/26/08	avl	3.0
Nitrobenzene	<0.0020 mg/L	0.0020	2	11/24/08	kb	11/26/08	avl	2.0
Hexachlorobutadiene	<0.0050 mg/L	0.0050	2	11/24/08	kb	11/26/08	avl	0.50
2,4,6-Trichlorophenol	<0.0020 mg/L	0.0020	2	11/24/08	kb	11/26/08	avl	2.0
2,4,5-Trichlorophenol	<0.0050 mg/L	0.0050	2	11/24/08	kb	11/26/08	avl	400
2,4-Dinitrotoluene	<0.0050 mg/L	0.0050	2	11/24/08	kb	11/26/08	avl	0.13
Hexachlorobenzene	<0.0050 mg/L	0.0050	2	11/24/08	kb	11/26/08	avl	0.13
Pentachlorophenol	<0.010 mg/L	0.010	2	11/24/08	kb	11/26/08	avl	100

Surrogates:

2-Fluorophenol	29 %	20-53	2	11/24/08	kb	11/26/08	avl
Phenol-d5	15 %	11-40	2	11/24/08	kb	11/26/08	avl
Nitrobenzene-d5	49 %	36-103	2	11/24/08	kb	11/26/08	avl
2-Fluorobiphenyl	49 %	36-119	2	11/24/08	kb	11/26/08	avl
2,4,6-Tribromophenol	46 %	30-105	2	11/24/08	kb	11/26/08	avl
Terphenyl-d14	50 %	37-109	2	11/24/08	kb	11/26/08	avl

DRAFT: METALS, TOTAL

Analysis Method: EPA 6010B

Batch: T008344

Barium	51 mg/kg dry	1.0	1	11/26/08	da	11/26/08	jm
Cadmium	3.0 mg/kg dry	0.20	1	11/26/08	da	11/26/08	jm
Chromium	17 mg/kg dry	2.0	1	11/26/08	da	11/26/08	jm
Lead	16 mg/kg dry	1.0	1	11/26/08	da	11/26/08	jm

Analysis Method: EPA 6020

Batch: T008344

Arsenic	15 mg/kg dry	0.10	10	11/26/08	da	11/26/08	jm	211
Selenium	0.65 mg/kg dry	0.20	10	11/26/08	da	11/26/08	jm	
Silver	0.41 mg/kg dry	0.10	10	11/26/08	da	11/26/08	jm	

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ANALYTICAL RESULTS

Trace Project ID: T08K217
Client Project ID: Texas Township Drum / 030281.0014

Trace ID:	T08K217-09	Date Collected:	11/21/08 12:55	Matrix:	Solid
Sample ID:	DRAFT: OATTER-112108-13-SL	Date Received:	11/21/08 14:56		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY

DF/AFT: METALS, TOTAL

Analysis Method: EPA 7471A

Batch: T008344

Mercury	8.8 mg/kg dry	0.23	50	11/26/08	da	11/26/08	Jim
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ANALYTICAL RESULTS

Trace Project ID: T08K217

Client Project ID: Texas Township Drum / 030281.0014

Trace ID:	T08K217-10	Date Collected:	11/21/08 12:58	Matrix:	Solid
Sample ID:	DRAFT: OATTER-112108-14-SL	Date Received:	11/21/08 14:56		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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DRAFT: METALS, TOTAL

Analysis Method: EPA 6010B

Batch: T008344

Barium	42 mg/kg dry	1.0	1	11/26/08	da	11/26/08	jm
Cadmium	31 mg/kg dry	0.20	1	11/26/08	da	11/26/08	jm
Chromium	490 mg/kg dry	2.0	1	11/26/08	da	11/26/08	jm
Lead	720 mg/kg dry	1.0	1	11/26/08	da	11/26/08	jm

Analysis Method: EPA 6020

Batch: T008344

Arsenic	17 mg/kg dry	0.10	10	11/26/08	da	11/26/08	jim
Selenium	<0.20 mg/kg dry	0.20	10	11/26/08	da	11/26/08	jim
Silver	0.62 mg/kg dry	0.10	10	11/26/08	da	11/26/08	jim

Analysis Method: EPA 7471A

Batch: T008344

Mercury	260 mg/kg dry	4.7	1000	11/26/08	da	11/26/08	jim
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ANALYTICAL RESULTS

Trace Project ID: T08K217
Client Project ID: Texas Township Drum / 030281.0014

Trace ID:	T08K217-11	Date Collected:	11/21/08 14:30	Matrix:	Concrete
Sample ID:	DRAFT: OATTER-112108-01-CR	Date Received:	11/21/08 14:56		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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DRAFT: METALS, TOTAL

Analysis Method: EPA 6010B

Batch: T008344

Barium	110 mg/kg dry	1.0	1	11/26/08	da	11/26/08	jm
Cadmium	0.46 mg/kg dry	0.20	1	11/26/08	da	11/26/08	jm
Chromium	26 mg/kg dry	2.0	1	11/26/08	da	11/26/08	jm
Lead	11 mg/kg dry	1.0	1	11/26/08	da	11/26/08	jm

Analysis Method: EPA 6020

Batch: T008344

Arsenic	13 mg/kg dry	0.10	10	11/26/08	da	11/26/08	jim
Selenium	0.54 mg/kg dry	0.20	10	11/26/08	da	11/26/08	jim
Silver	0.12 mg/kg dry	0.10	10	11/26/08	da	11/26/08	jim

Analysis Method: EPA 7471A

Batch: T008344

Mercury	12 mg/kg dry	0.24	50	11/26/08	da	11/26/08	jim
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November 26, 2008

Ms. Angye Dragotta
Environmental Quality Management, Inc.
1800 Carillon Boulevard
Cincinnati, OH 45240

Phone: (513) 742-7256
Fax: (513) 825-7495

RE: Trace Project T08K225
Client Project Texas Township Drum Kalamazoo / 30281.0014

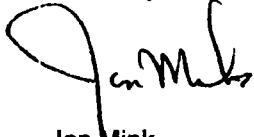
Dear Ms. Dragotta:

Enclosed are your analytical results.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work. Some reports may have raised reporting limits to correct for percent solids.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,



Jon Mink
Project Manager

Enclosures



TRACE OPERATES IN COMPLIANCE WITH THE DEPARTMENT OF DEFENSE
QUALITY SYSTEMS MANUAL FOR ENVIRONMENTAL LABORATORIES

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SAMPLE SUMMARY

Trace Project ID: T08K225
Client Project ID: Texas Township Drum Kalamazoo / 30281.0014

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
T08K225-01	Rolloff No. 4	Solid	eb	11/21/08 16:45	11/24/08 11:01
T08K225-02	Rolloff No. 5	Solid	eb	11/21/08 16:48	11/24/08 11:01

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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MS	Matrix Spike
MSD	Matrix Spike Duplicate
RPD	Relative Percent Difference
DUP	Matrix Duplicate
RDL	Reporting Detection Limit
MCL	Maximum Contamination Limit
TIC	Tentatively Identified Compound
<, ND or U	Indicates the compound was analyzed for but not detected
*	Indicates a result that exceeds its associated MCL or Surrogate control limits
N	Indicates that the compound has not been evaluated by NELAC
NA	Indicates that the compound is not available.

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ANALYTICAL RESULTS

Trace Project ID: T08K225

Client Project ID: Texas Township Drum Kalamazoo / 30281.0014

Trace ID:	T08K225-01	Date Collected:	11/21/08 16:45	Matrix:	Solid
Sample ID:	Rolloff No. 4	Date Received:	11/24/08 11:01		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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METALS, TOTAL

Analysis Method: EPA 7471A

Batch: T008323

Mercury	4200 mg/kg dry	190	40000	11/25/08	da	11/26/08	Jim
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ANALYTICAL RESULTS

Trace Project ID: T08K225

Client Project ID: Texas Township Drum Kalamazoo / 30281.0014

Trace ID:	T08K225-02	Date Collected:	11/21/08 16:48	Matrix:	Solid
Sample ID:	Rolloff No. 5	Date Received:	11/24/08 11:01		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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METALS, TOTAL

Analysis Method: EPA 7471A

Batch: T008323

Mercury	290 mg/kg dry	19	2000	11/25/08	da	11/26/08	jlm
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QUALITY CONTROL RESULTS

Trace Project ID: T08K225

Client Project ID: Texas Township Drum Kalamazoo / 30281.0014

QC Batch: T008323

Analysis Description: Mercury, Total, EPA 7470/7471

QC Batch Method: EPA 3051 Microwave Assisted

Analysis Method: EPA 7471A

METHOD BLANK: T008323-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/kg dry	<0.050	0.050	

LABORATORY CONTROL SAMPLE: T008323-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	mg/kg dry	0.200	0.220	110	77-122	

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CHAIN-OF-CUSTODY RECORD

Trace Analytical Laboratories, Inc.
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TRACE ID NO.
T08K225

Page 1 of 1

Report Results To:		Client Name: EGM		Logged By: <i>JL</i>		Checked By: <i>SNB</i>				
Contact Person: Anya Dragotta		Received on ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Preservative Checked: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(NA)</i>						
Mailing Address: 1800 Carillon Blvd.		Soil Volatiles Preserved: MeOH En Core Low Level Lab								
City, State, Zip Code: Cincinnati Ohio 45240										
Phone: 513-825-7500		Fax: 513-825-9729								
Email Address: a.dragotta@egm.com										
Project #: 030281.0014		PO #: 		Trace Quota #: 						
Project Name: Texas Township Drain		Sampled by: Eric Bowman				ANALYSIS REQUESTED				
Billing Address (if different) _____										
City, State, Zip Code _____										
Attn: _____		Phone: _____		Fax: _____						
Request for Analytical Services		CLIENT SAMPLE ID		AMOUNT NUMBER OF CONTAINERS		REMARKS				
Item #	DATE TAKEN	TIME TAKEN	LAB TESTED	N	1	Rush 24-49 hr				
01	11/21/08	16:45	Rolloff No. 4	N	1					
02	11/21/08	16:48	Rolloff No. 5	N	1					
Please Sign		RELEASED BY	RECEIVED BY	DATE	TIME	Item #	RELEASED BY	RECEIVED BY	DATE	TIME
		<i>Eric Bowman</i>	<i>John G. Bowe</i>	11/21/08	5:14pm	3)				
		<i>C. PS</i>	<i>John G. Bowe</i>	11/21/08	11:01	4)				

In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side

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SHIPPING LOGISTICS

Date: 11-24-06

Trace ID #: T08K225

Client Name: EOM

of Coolers: 1

Project Name:

Cooler #s:

Logged In by: QS

Cooler #s:

Cooler Receipt

Cooler/samples delivered by:

Trace courier

Hand delivered

Name of delivery person:

Commercial courier

UPS

DHL

FED EX

US Mail

Did cooler come with a bill of lading?

No

Not Applicable

Yes

Way Bill or Tracking #: _____

COC Seals present and intact on cooler?

No

Not Applicable

Yes

Custody seals signed by Client?

No

Client custody seal # (if applicable): _____

Yes

Coolant and Temperature

Type of Coolant Used

Cooler Temperature

Correction Factor 1 °C

Slurry w/ crushed, cubed, or chip ice?

Yes

No

Date: 11-24-06

Time: 11:01

Temperature Blank: _____ °C

Multiple bags of ice around samples?

Yes

No

Average of 3 samples: _____ °C

Ice Pack/ Blue Ice :

Yes

Melt Water: _____ °C

No Coolant Present:

Ice still present upon receipt? Yes No

General

Yes No NA

COC taped to inside of cooler lid? _____

All bottles arrived unbroken with labels in good condition? _____

Each sample point is in a sealed plastic bag? _____

Labels filled out completely? _____

All bottle labels agree with Chain of Custody (COC)? _____

Sufficient sample to run tests requested? _____

pH checked and samples at correct pH? _____

Correct preservative added to samples? _____

DRO/GRO samples received and appropriate check in form completed? _____

Air bubbles absent from VOA's? _____

COC filled out properly and signed by client? _____

COC signed in by TRACE sample custodian? _____

Was project manager called and samples discussed? _____

Contact: _____ Date: _____

Notes:

LOGIN4

TRACE Analytical Laboratories, Inc.

Rev.B 11/21/06

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Report ID: T08K225 FINAL 11 26 08 1338

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Trace ID: T08J069-01

Analysis: EPA Chapter 7.3

Sulfide, Reactive Note 401 : The reporting limit was elevated due to a correction for the percent solids content found in the sample.

Trace ID: T08J069-02

Analysis: EPA 8081A

Tetrachloro-m-xylene Note 303 : The secondary surrogate (tetrachloro-m-xylene) recovery for this sample fell outside the laboratory established control limits. The primary surrogate (decachlorobiphenyl) recovery was in control. No data require qualification.

Analysis: EPA 8151A

2,4-Dichlorophenylacetic acid Note 314 : The surrogate was out of control low when compared to the control limits. All results and reporting limits must be considered estimated.

Analysis: EPA Chapter 7.3

Sulfide, Reactive Note 401 : The reporting limit was elevated due to a correction for the percent solids content found in the sample.

Trace ID: T08J069-03

Analysis: EPA 8081A

Decachlorobiphenyl Note 312 : The surrogate recovery was out of control high when compared to control limits. As there are no positive results, no data require qualification.

Analysis: EPA Chapter 7.3

Sulfide, Reactive Note 401 : The reporting limit was elevated due to a correction for the percent solids content found in the sample.

Trace ID: T08J069-04

Analysis: EPA 8270C

Hexachlorobenzene Note 205 : The MS and MSD recoveries were out of control low. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.

Analysis: EPA Chapter 7.3

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Sulfide, Reactive

Note 401 : The reporting limit was elevated due to a correction for the percent solids content found in the sample.

Trace ID: T08J069-05

Analysis: EPA Chapter 7.3**Sulfide, Reactive**

Note 401 : The reporting limit was elevated due to a correction for the percent solids content found in the sample.

Trace ID: T08J069-06

Analysis: EPA Chapter 7.3**Sulfide, Reactive**

Note 401 : The reporting limit was elevated due to a correction for the percent solids content found in the sample.

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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-01	Date Collected:	10/06/08 10:53	Matrix:	Soil
Sample ID:	OATTER-100608-01-SL	Date Received:	10/06/08 13:25		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY

VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8260B

Batch: T007568

Vinyl chloride	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.20
1,1-Dichloroethene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.70
2-Butanone	<0.25 mg/L	0.25	50	10/09/08	jp	10/09/08	jp	200
Chloroform	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	6.0
Carbon tetrachloride	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
Benzene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
1,2-Dichloroethane	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
Trichloroethene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
Tetrachloroethene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.70
Chlorobenzene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	100
1,4-Dichlorobenzene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	7.5
<i>Surrogates:</i>								
1,2-Dichloroethane-d4	95 %	70-133	50	10/09/08	jp	10/09/08	jp	
Toluene-d8	98 %	76-125	50	10/09/08	jp	10/09/08	jp	
4-Bromofluorobenzene	94 %	72-123	50	10/09/08	jp	10/09/08	jp	
1,2-Dichlorobenzene-d4	96 %	71-123	50	10/09/08	jp	10/09/08	jp	

SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8270C

Batch: T007487

Pyridine	<0.40 mg/L	0.40	2	10/07/08	kb	10/08/08	avl	5.0
2-Methylphenol (o-Cresol)	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	200
3,4-Methylphenol (m,p Cresol)	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	200
Hexachloroethane	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	3.0
Nitrobenzene	<0.020 mg/L	0.020	2	10/07/08	kb	10/08/08	avl	2.0
Hexachlorobutadiene	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	0.50
2,4,6-Trichlorophenol	<0.020 mg/L	0.020	2	10/07/08	kb	10/08/08	avl	2.0
2,4,5-Trichlorophenol	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	400
2,4-Dinitrotoluene	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	0.13
Hexachlorobenzene	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	0.13
Pentachlorophenol	<0.10 mg/L	0.10	2	10/07/08	kb	10/08/08	avl	100
<i>Surrogates:</i>								
2-Fluorophenol	35 %	20-53	2	10/07/08	kb	10/08/08	avl	
Phenol-d5	22 %	11-40	2	10/07/08	kb	10/08/08	avl	

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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-01	Date Collected:	10/06/08 10:53	Matrix:	Soil
Sample ID:	OATTER-100608-01-SL	Date Received:	10/06/08 13:25		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Nitrobenzene-d5	58 %	36-103	2	10/07/08	kb	10/08/08	avl
2-Fluorobiphenyl	58 %	36-119	2	10/07/08	kb	10/08/08	avl
2,4,6-Tribromophenol	66 %	30-105	2	10/07/08	kb	10/08/08	avl
Terphenyl-d14	77 %	37-109	2	10/07/08	kb	10/08/08	avl

PESTICIDES/PCBS, TCLP

Analysis Method: EPA 8081A

Batch: T007488

Chlordane	<0.00050 mg/L	0.00050	1	10/07/08	kb	10/09/08	tim
Endrin	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
gamma-BHC (Lindane)	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
Heptachlor	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
Heptachlor epoxide	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
Methoxychlor	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
Toxaphene	<0.0050 mg/L	0.0050	1	10/07/08	kb	10/09/08	tim
Surrogates:							
Tetrachloro-m-xylene	44 %	38-94	1	10/07/08	kb	10/09/08	tim N
Decachlorobiphenyl	81 %	40-93	1	10/07/08	kb	10/09/08	tim N

HERBICIDES, TCLP

Analysis Method: EPA 8151A

Batch: T007489

2,4-D	<0.050 mg/L	0.050	1	10/07/08	kb	10/10/08	tim N
2,4,5-TP (Silvex)	<0.025 mg/L	0.025	1	10/07/08	kb	10/10/08	tim N
Surrogates:							
2,4-Dichlorophenylacetic acid	81 %	39-125	1	10/07/08	kb	10/10/08	tim N

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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-01	Date Collected:	10/06/08 10:53	Matrix:	Soil		
Sample ID:	OATTER-100608-01-SL	Date Received:	10/06/08 13:25				
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL

METALS, TCLP

Analysis Method: EPA 6010B

Batch: T007497

Arsenic	<0.30 mg/L	0.30	1	10/07/08	sm	10/07/08	jm	5.0
Barium	<1.0 mg/L	1.0	1	10/07/08	sm	10/07/08	jm	100
Cadmium	<0.10 mg/L	0.10	1	10/07/08	sm	10/07/08	jm	1.0
Chromium	<0.50 mg/L	0.50	1	10/07/08	sm	10/07/08	jm	5.0
Lead	<0.50 mg/L	0.50	1	10/07/08	sm	10/07/08	jm	5.0
Selenium	<0.60 mg/L	0.60	1	10/07/08	sm	10/07/08	jm	1.0
Silver	<0.10 mg/L	0.10	1	10/07/08	sm	10/08/08	jm	5.0

Analysis Method: EPA 7470A

Batch: T007492

Mercury	<0.010 mg/L	0.010	1	10/07/08	sm	10/09/08	jm	0.20
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WET CHEMISTRY

Analysis Method: % Calculation

Batch: T007512

% Solids	89 % by Wt.	0.10	1	10/07/08	at	10/08/08	jn	N
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Analysis Method: EPA 1010

Batch: T007597

Flashpoint	> 200 °F	1.0	1	10/13/08	jn	10/13/08	jn
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Analysis Method: EPA 376.2

Batch: T007535

Sulfide	<1.0 mg/kg dry	1.0	1	10/08/08	jn	10/08/08	jn
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Analysis Method: EPA 9012B

Batch: T007496

Cyanide (total)	<0.20 mg/kg dry	0.20	1	10/07/08	da	10/07/08	da	N
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Analysis Method: EPA 9045C

Batch: T007532

Corrosivity-pH	6.0 pH Units		1	10/08/08	jn	10/08/08	jn	N
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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID: T08J069-01 Date Collected: 10/06/08 10:53 Matrix: Soil
Sample ID: OATTER-100608-01-SL Date Received: 10/06/08 13:25

PARAMETERS RESULTS UNITS RDL DILUTION PREPARED BY ANALYZED BY NOTES MCL

WET CHEMISTRY

Analysis Method: EPA Chapter 7.3

Batch: T007493

Cyanide, Reactive

Sulfide, Reactive

<0.50 mg/kg dry 0.50 1 10/07/08 da 10/07/08 da
 <5.6 mg/kg dry 5.6 1 10/07/08 da 10/08/08 in 401, N

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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID: T08J069-02	Date Collected:	10/06/08 11:12	Matrix: Soil
Sample ID: OATTER-100608-02-SL	Date Received:	10/06/08 13:25	

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8260B

Batch: T007568

Vinyl chloride	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.20
1,1-Dichloroethene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.70
2-Butanone	<0.25 mg/L	0.25	50	10/09/08	jp	10/09/08	jp	200
Chloroform	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	6.0
Carbon tetrachloride	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
Benzene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
1,2-Dichloroethane	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
Trichloroethene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
Tetrachloroethene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.70
Chlorobenzene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	100
1,4-Dichlorobenzene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	7.5
Surrogates:								
1,2-Dichloroethane-d4	97 %	70-133	50	10/09/08	jp	10/09/08	jp	
Toluene-d8	99 %	76-125	50	10/09/08	jp	10/09/08	jp	
4-Bromofluorobenzene	97 %	72-123	50	10/09/08	jp	10/09/08	jp	
1,2-Dichlorobenzene-d4	96 %	71-123	50	10/09/08	jp	10/09/08	jp	

SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8270C

Batch: T007487

Pyridine	<0.40 mg/L	0.40	2	10/07/08	kb	10/08/08	avl	5.0
2-Methylphenol (o-Cresol)	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	200
3,4-Methylphenol (m,p Cresol)	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	200
Hexachloroethane	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	3.0
Nitrobenzene	<0.020 mg/L	0.020	2	10/07/08	kb	10/08/08	avl	2.0
Hexachlorobutadiene	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	0.50
2,4,6-Trichlorophenol	<0.020 mg/L	0.020	2	10/07/08	kb	10/08/08	avl	2.0
2,4,5-Trichlorophenol	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	400
2,4-Dinitrotoluene	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	0.13
Hexachlorobenzene	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	0.13
Pentachlorophenol	<0.10 mg/L	0.10	2	10/07/08	kb	10/08/08	avl	100
Surrogates:								
2-Fluorophenol	32 %	20-53	2	10/07/08	kb	10/08/08	avl	
Phenol-d5	19 %	11-40	2	10/07/08	kb	10/08/08	avl	

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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-02	Date Collected:	10/06/08 11:12	Matrix:	Soil
Sample ID:	OATTER-100608-02-SL	Date Received:	10/06/08 13:25		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Nitrobenzene-d5	50 %	36-103	2	10/07/08	kb	10/08/08	avl
2-Fluorobiphenyl	48 %	36-119	2	10/07/08	kb	10/08/08	avl
2,4,6-Tribromophenol	54 %	30-105	2	10/07/08	kb	10/08/08	avl
Terphenyl-d14	54 %	37-109	2	10/07/08	kb	10/08/08	avl

PESTICIDES/PCBS, TCLP

Analysis Method: EPA 8081A

Batch: T007488

Chlordane	<0.00050 mg/L	0.00050	1	10/07/08	kb	10/10/08	tim
Endrin	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/10/08	tim
gamma-BHC (Lindane)	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/10/08	tim
Heptachlor	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/10/08	tim
Heptachlor epoxide	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/10/08	tim
Methoxychlor	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/10/08	tim
Toxaphene	<0.0050 mg/L	0.0050	1	10/07/08	kb	10/10/08	tim
Surrogates:							
Tetrachloro-m-xylene	*	37 %	38-94	1	10/07/08	kb	10/10/08
Decachlorobiphenyl		50 %	40-93	1	10/07/08	kb	10/10/08
							N

HERBICIDES, TCLP

Analysis Method: EPA 8151A

Batch: T007489

2,4-D	<0.050 mg/L	0.050	1	10/07/08	kb	10/10/08	tim	N
2,4,5-TP (Silvex)	<0.025 mg/L	0.025	1	10/07/08	kb	10/10/08	tim	N
Surrogates:								
2,4-Dichlorophenoxyacetic acid	*	28 %	39-125	1	10/07/08	kb	10/10/08	tim
								314, N

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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-02	Date Collected:	10/06/08 11:12	Matrix:	Soil
Sample ID:	OATTER-100608-02-SL	Date Received:	10/06/08 13:25		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY

METALS, TCLP

Analysis Method: EPA 6010B

Batch: T007497

Arsenic	<0.30 mg/L	0.30	1	10/07/08	sm	10/07/08	jm	5.0
Barium	1.2 mg/L	1.0	1	10/07/08	sm	10/07/08	jm	100
Cadmium	<0.10 mg/L	0.10	1	10/07/08	sm	10/07/08	jm	1.0
Chromium	<0.50 mg/L	0.50	1	10/07/08	sm	10/07/08	jm	5.0
Lead	<0.50 mg/L	0.50	1	10/07/08	sm	10/07/08	jm	5.0
Selenium	<0.60 mg/L	0.60	1	10/07/08	sm	10/07/08	jm	1.0
Silver	<0.10 mg/L	0.10	1	10/07/08	sm	10/08/08	jm	5.0

Analysis Method: EPA 7470A

Batch: T007492

Mercury	*	0.28 mg/L	0.010	2	10/07/08	sm	10/09/08	jm	0.20
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WET CHEMISTRY

Analysis Method: % Calculation

Batch: T007512

% Solids	83 % by Wt.	0.10	1	10/07/08	at	10/08/08	jn	N
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Analysis Method: EPA 1010

Batch: T007597

Flashpoint	> 200 °F	1.0	1	10/13/08	jn	10/13/08	jn
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Analysis Method: EPA 376.2

Batch: T007535

Sulfide	<1.0 mg/kg dry	1.0	1	10/08/08	jn	10/08/08	jn
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Analysis Method: EPA 9012B

Batch: T007496

Cyanide (total)	22 mg/kg dry	1.2	10	10/07/08	da	10/07/08	da	N
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Analysis Method: EPA 9045C

Batch: T007532

Corrosivity-pH	7.3 pH Units		1	10/08/08	jn	10/08/08	jn	N
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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID: T08J069-02 Date Collected: 10/06/08 11:12 Matrix: Soil
Sample ID: OATTER-100608-02-SL Date Received: 10/06/08 13:25

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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WET CHEMISTRY

Analysis Method: EPA Chapter 7.3

Batch: T007493

Cyanide, Reactive	2.5 mg/kg dry	0.50	1	10/07/08	da	10/07/08	da
Sulfide, Reactive	<5.5 mg/kg dry	5.5	1	10/07/08	da	10/08/08	jn 401, N

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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-03	Date Collected:	10/06/08 11:12	Matrix:	Soil
Sample ID:	OATTER-100608-02-SL-DP	Date Received:	10/06/08 13:25		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8260B

Batch: T007588

Vinyl chloride	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.20
1,1-Dichloroethene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.70
2-Butanone	<0.25 mg/L	0.25	50	10/09/08	jp	10/09/08	jp	200
Chloroform	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	6.0
Carbon tetrachloride	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
Benzene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
1,2-Dichloroethane	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
Trichloroethene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
Tetrachloroethene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.70
Chlorobenzene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	100
1,4-Dichlorobenzene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	7.5
Surrogates:								
1,2-Dichloroethane-d4	95 %	70-133	50	10/09/08	jp	10/09/08	jp	
Toluene-d8	99 %	76-125	50	10/09/08	jp	10/09/08	jp	
4-Bromofluorobenzene	95 %	72-123	50	10/09/08	jp	10/09/08	jp	
1,2-Dichlorobenzene-d4	98 %	71-123	50	10/09/08	jp	10/09/08	jp	

SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8270C

Batch: T007487

Pyridine	<0.40 mg/L	0.40	2	10/07/08	kb	10/08/08	avl	5.0
2-Methylphenol (o-Cresol)	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	200
3,4-Methylphenol (m,p Cresol)	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	200
Hexachloroethane	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	3.0
Nitrobenzene	<0.020 mg/L	0.020	2	10/07/08	kb	10/08/08	avl	2.0
Hexachlorobutadiene	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	0.50
2,4,6-Trichlorophenol	<0.020 mg/L	0.020	2	10/07/08	kb	10/08/08	avl	2.0
2,4,5-Trichlorophenol	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	400
2,4-Dinitrotoluene	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	0.13
Hexachlorobenzene	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	0.13
Pentachlorophenol	<0.10 mg/L	0.10	2	10/07/08	kb	10/08/08	avl	100
Surrogates:								
2-Fluorophenol	38 %	20-53	2	10/07/08	kb	10/08/08	avl	
Phenol-d5	23 %	11-40	2	10/07/08	kb	10/08/08	avl	

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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-03	Date Collected:	10/06/08 11:12	Matrix:	Soil
Sample ID:	OATTER-100608-02-SL-DP	Date Received:	10/06/08 13:25		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Nitrobenzene-d5	59 %	36-103	2	10/07/08	kb	10/08/08	avl
2-Fluorobiphenyl	60 %	36-119	2	10/07/08	kb	10/08/08	avl
2,4,6-Tribromophenol	65 %	30-105	2	10/07/08	kb	10/08/08	avl
Terphenyl-d14	61 %	37-109	2	10/07/08	kb	10/08/08	avl

PESTICIDES/PCBS, TCLP

Analysis Method: EPA 8081A

Batch: T007488

Chlordane	<0.00050 mg/L	0.00050	1	10/07/08	kb	10/09/08	tim
Endrin	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
gamma-BHC (Lindane)	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
Heptachlor	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
Heptachlor epoxide	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
Methoxychlor	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
Toxaphene	<0.0050 mg/L	0.0050	1	10/07/08	kb	10/09/08	tim
Surrogates:							
Tetrachloro-m-xylene	73 %	38-94	1	10/07/08	kb	10/09/08	tim N
Decachlorobiphenyl	* 108 %	40-93	1	10/07/08	kb	10/09/08	tim 312, N

HERBICIDES, TCLP

Analysis Method: EPA 8151A

Batch: T007489

2,4-D	<0.050 mg/L	0.050	1	10/07/08	kb	10/10/08	tim N
2,4,5-TP (Silvex)	<0.025 mg/L	0.025	1	10/07/08	kb	10/10/08	tim N
Surrogates:							
2,4-Dichlorophenylacetic acid	84 %	39-125	1	10/07/08	kb	10/10/08	tim N

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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-03	Date Collected:	10/06/08 11:12	Matrix:	Soil		
Sample ID:	OATTER-100608-02-SL-DP	Date Received:	10/06/08 13:25				
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL

METALS, TCLP

Analysis Method: EPA 6010B

Batch: T007497

Arsenic	<0.30 mg/L	0.30	1	10/07/08	sm	10/07/08	jm	5.0
Barium	<1.0 mg/L	1.0	1	10/07/08	sm	10/07/08	jm	100
Cadmium	<0.10 mg/L	0.10	1	10/07/08	sm	10/07/08	jm	1.0
Chromium	<0.50 mg/L	0.50	1	10/07/08	sm	10/07/08	jm	5.0
Lead	<0.50 mg/L	0.50	1	10/07/08	sm	10/07/08	jm	5.0
Selenium	<0.60 mg/L	0.60	1	10/07/08	sm	10/07/08	jm	1.0
Silver	<0.10 mg/L	0.10	1	10/07/08	sm	10/08/08	jm	5.0

Analysis Method: EPA 7470A

Batch: T007492

Mercury	0.20 mg/L	0.010	2	10/07/08	sm	10/09/08	jm	0.20
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WET CHEMISTRY

Analysis Method: % Calculation

Batch: T007512

% Solids	83 % by Wt.	0.10	1	10/07/08	at	10/08/08	jn	N
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Analysis Method: EPA 1010

Batch: T007597

Flashpoint	> 200 °F	1.0	1	10/13/08	jn	10/13/08	jn
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Analysis Method: EPA 376.2

Batch: T007535

Sulfide	<1.0 mg/kg dry	1.0	1	10/08/08	jn	10/08/08	jn
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Analysis Method: EPA 9012B

Batch: T007496

Cyanide (total)	24 mg/kg dry	1.1	10	10/07/08	da	10/07/08	da	N
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Analysis Method: EPA 9045C

Batch: T007532

Corrosivity-pH	7.6 pH Units		1	10/08/08	jn	10/08/08	jn	N
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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-03	Date Collected:	10/06/08 11:12	Matrix:	Soil
Sample ID:	OATTER-100608-02-SL-DP	Date Received:	10/06/08 13:25		

WET CHEMISTRY

Analysis Method: EPA Chapter 7.3

Batch: T007493

Cyanide, Reactive	3.4 mg/kg dry	0.50	1	10/07/08	da	10/07/08	da
Sulfide, Reactive	<5.4 mg/kg dry	5.4	1	10/07/08	da	10/08/08	jn 401, N

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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-04	Date Collected:	10/06/08 11:40	Matrix:	Soil
Sample ID:	OATTER-100608-03-SL	Date Received:	10/06/08 13:25		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8260B

Batch: T007568

Vinyl chloride	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.20
1,1-Dichloroethene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.70
2-Butanone	<0.25 mg/L	0.25	50	10/09/08	jp	10/09/08	jp	200
Chloroform	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	6.0
Carbon tetrachloride	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
Benzene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
1,2-Dichloroethane	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
Trichloroethene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
Tetrachloroethene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.70
Chlorobenzene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	100
1,4-Dichlorobenzene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	7.5
<i>Surrogates:</i>								
1,2-Dichloroethane-d4	97 %	70-133	50	10/09/08	jp	10/09/08	jp	
Toluene-d8	99 %	76-125	50	10/09/08	jp	10/09/08	jp	
4-Bromofluorobenzene	96 %	72-123	50	10/09/08	jp	10/09/08	jp	
1,2-Dichlorobenzene-d4	99 %	71-123	50	10/09/08	jp	10/09/08	jp	

SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8270C

Batch: T007487

Pyridine	<0.40 mg/L	0.40	2	10/07/08	kb	10/08/08	avl	5.0
2-Methylphenol (o-Cresol)	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	200
3,4-Methylphenol (m,p Cresol)	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	200
Hexachloroethane	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	3.0
Nitrobenzene	<0.020 mg/L	0.020	2	10/07/08	kb	10/08/08	avl	2.0
Hexachlorobutadiene	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	0.50
2,4,6-Trichlorophenol	<0.020 mg/L	0.020	2	10/07/08	kb	10/08/08	avl	2.0
2,4,5-Trichlorophenol	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	400
2,4-Dinitrotoluene	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	0.13
Hexachlorobenzene	<0.050 mg/L	0.050	2	10/07/08	kb	10/08/08	avl	205
Pentachlorophenol	<0.10 mg/L	0.10	2	10/07/08	kb	10/08/08	avl	100
<i>Surrogates:</i>								
2-Fluorophenol	39 %	20-53	2	10/07/08	kb	10/08/08	avl	
Phenol-d5	25 %	11-40	2	10/07/08	kb	10/08/08	avl	

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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-04	Date Collected:	10/06/08 11:40	Matrix:	Soil
Sample ID:	OATTER-100608-03-SL	Date Received:	10/06/08 13:25		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Nitrobenzene-d5	65 %	36-103	2	10/07/08	kb	10/08/08	avl
2-Fluorobiphenyl	65 %	36-119	2	10/07/08	kb	10/08/08	avl
2,4,6-Tribromophenol	74 %	30-105	2	10/07/08	kb	10/08/08	avl
Terphenyl-d14	79 %	37-109	2	10/07/08	kb	10/08/08	avl

PESTICIDES/PCBS, TCLP

Analysis Method: EPA 8081A

Batch: T007488

Chlordane	<0.00050 mg/L	0.00050	1	10/07/08	kb	10/09/08	tim
Endrin	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
gamma-BHC (Lindane)	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
Heptachlor	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
Heptachlor epoxide	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
Methoxychlor	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
Toxaphene	<0.0050 mg/L	0.0050	1	10/07/08	kb	10/09/08	tim
Surrogates:							
Tetrachloro-m-xylene	48 %	38-94	1	10/07/08	kb	10/09/08	tim N
Decachlorobiphenyl	67 %	40-93	1	10/07/08	kb	10/09/08	tim N

HERBICIDES, TCLP

Analysis Method: EPA 8151A

Batch: T007489

2,4-D	<0.050 mg/L	0.050	1	10/07/08	kb	10/10/08	tim N
2,4,5-TP (Silvex)	<0.025 mg/L	0.025	1	10/07/08	kb	10/10/08	tim N
Surrogates:							
2,4-Dichlorophenylacetic acid	86 %	39-125	1	10/07/08	kb	10/10/08	tim N

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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-04	Date Collected:	10/06/08 11:40	Matrix:	Soil		
Sample ID:	OATTER-100608-03-SL	Date Received:	10/06/08 13:25				
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL

METALS, TCLP

Analysis Method: EPA 6010B

Batch: T007497

Arsenic	<0.30 mg/L	0.30	1	10/07/08	sm	10/07/08	jm	5.0
Barium	<1.0 mg/L	1.0	1	10/07/08	sm	10/07/08	jm	100
Cadmium	<0.10 mg/L	0.10	1	10/07/08	sm	10/07/08	jm	1.0
Chromium	<0.50 mg/L	0.50	1	10/07/08	sm	10/07/08	jm	5.0
Lead	<0.50 mg/L	0.50	1	10/07/08	sm	10/07/08	jm	5.0
Selenium	<0.60 mg/L	0.60	1	10/07/08	sm	10/07/08	jm	1.0
Silver	<0.10 mg/L	0.10	1	10/07/08	sm	10/08/08	jm	5.0

Analysis Method: EPA 7470A

Batch: T007492

Mercury	<0.010 mg/L	0.010	1	10/07/08	sm	10/09/08	jm	0.20
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WET CHEMISTRY

Analysis Method: % Calculation

Batch: T007512

% Solids	81 % by Wt.	0.10	1	10/07/08	at	10/08/08	jn	N
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Analysis Method: EPA 1010

Batch: T007597

Flashpoint	> 200 °F	1.0	1	10/13/08	jn	10/13/08	jn
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Analysis Method: EPA 376.2

Batch: T007535

Sulfide	<1.0 mg/kg dry	1.0	1	10/08/08	jn	10/08/08	jn
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Analysis Method: EPA 9012B

Batch: T007496

Cyanide (total)	2.4 mg/kg dry	0.20	1	10/07/08	da	10/07/08	da	N
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Analysis Method: EPA 9045C

Batch: T007532

Corrosivity-pH	7.3 pH Units		1	10/08/08	jn	10/08/08	jn	N
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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-04	Date Collected:	10/06/08 11:40	Matrix:	Soil
Sample ID:	OATTER-100608-03-SL	Date Received:	10/06/08 13:25		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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WET CHEMISTRY

Analysis Method: EPA Chapter 7.3

Batch: T007493

Cyanide, Reactive	<0.50 mg/kg dry	0.50	1	10/07/08	da	10/07/08	da
Sulfide, Reactive	<5.1 mg/kg dry	5.1	1	10/07/08	da	10/08/08	jn 401, N

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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-05	Date Collected:	10/06/08 11:04	Matrix:	Soil
Sample ID:	OATTER-100608-04-SL	Date Received:	10/06/08 13:25		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8260B

Batch: T007568

Vinyl chloride	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.20
1,1-Dichloroethene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.70
2-Butanone	<0.25 mg/L	0.25	50	10/09/08	jp	10/09/08	jp	200
Chloroform	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	6.0
Carbon tetrachloride	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
Benzene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
1,2-Dichloroethane	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
Trichloroethene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
Tetrachloroethene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.70
Chlorobenzene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	100
1,4-Dichlorobenzene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	7.5
<i>Surrogates:</i>								
1,2-Dichloroethane-d4	96 %	70-133	50	10/09/08	jp	10/09/08	jp	
Toluene-d8	96 %	76-125	50	10/09/08	jp	10/09/08	jp	
4-Bromofluorobenzene	93 %	72-123	50	10/09/08	jp	10/09/08	jp	
1,2-Dichlorobenzene-d4	97 %	71-123	50	10/09/08	jp	10/09/08	jp	

SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8270C

Batch: T007487

Pyridine	<0.40 mg/L	0.40	2	10/07/08	kb	10/09/08	avl	5.0
2-Methylphenol (o-Cresol)	<0.050 mg/L	0.050	2	10/07/08	kb	10/09/08	avl	200
3,4-Methylphenol (m,p Cresol)	<0.050 mg/L	0.050	2	10/07/08	kb	10/09/08	avl	200
Hexachloroethane	<0.050 mg/L	0.050	2	10/07/08	kb	10/09/08	avl	3.0
Nitrobenzene	<0.020 mg/L	0.020	2	10/07/08	kb	10/09/08	avl	2.0
Hexachlorobutadiene	<0.050 mg/L	0.050	2	10/07/08	kb	10/09/08	avl	0.50
2,4,6-Trichlorophenol	<0.020 mg/L	0.020	2	10/07/08	kb	10/09/08	avl	2.0
2,4,5-Trichlorophenol	<0.050 mg/L	0.050	2	10/07/08	kb	10/09/08	avl	400
2,4-Dinitrotoluene	<0.050 mg/L	0.050	2	10/07/08	kb	10/09/08	avl	0.13
Hexachlorobenzene	<0.050 mg/L	0.050	2	10/07/08	kb	10/09/08	avl	0.13
Pentachlorophenol	<0.10 mg/L	0.10	2	10/07/08	kb	10/09/08	avl	100
<i>Surrogates:</i>								
2-Fluorophenol	38 %	20-53	2	10/07/08	kb	10/09/08	avl	
Phenol-d5	24 %	11-40	2	10/07/08	kb	10/09/08	avl	

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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-05	Date Collected:	10/06/08 11:04	Matrix:	Soil
Sample ID:	OATTER-100608-04-SL	Date Received:	10/06/08 13:25		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Nitrobenzene-d5	63 %	36-103	2	10/07/08	kb	10/09/08	avl
2-Fluorobiphenyl	64 %	36-119	2	10/07/08	kb	10/09/08	avl
2,4,6-Tribromophenol	77 %	30-105	2	10/07/08	kb	10/09/08	avl
Terphenyl-d14	77 %	37-109	2	10/07/08	kb	10/09/08	avl

PISTICIDES/PCBS, TCLP

Analysis Method: EPA 8081A

Batch: T007488

Chlordane	<0.00050 mg/L	0.00050	1	10/07/08	kb	10/09/08	tim
Endrin	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
gamma-BHC (Lindane)	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
Heptachlor	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
Heptachlor epoxide	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
Methoxychlor	<0.00010 mg/L	0.00010	1	10/07/08	kb	10/09/08	tim
Toxaphene	<0.0050 mg/L	0.0050	1	10/07/08	kb	10/09/08	tim
Surrogates:							
Tetrachloro-m-xylene	49 %	38-94	1	10/07/08	kb	10/09/08	tim N
Decachlorobiphenyl	53 %	40-93	1	10/07/08	kb	10/09/08	tim N

HERBICIDES, TCLP

Analysis Method: EPA 8151A

Batch: T007489

2,4-D	<0.050 mg/L	0.050	1	10/07/08	kb	10/10/08	tim N
2,4,5-TP (Silvex)	<0.025 mg/L	0.025	1	10/07/08	kb	10/10/08	tim N
Surrogates:							
2,4-Dichlorophenylacetic acid	89 %	39-125	1	10/07/08	kb	10/10/08	tim N

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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-05	Date Collected:	10/06/08 11:04	Matrix:	Soil		
Sample ID:	OATTER-100608-04-SL	Date Received:	10/06/08 13:25				
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL

METALS, TCLP

Analysis Method: EPA 6010B

Batch: T007497

Arsenic	<0.30 mg/L	0.30	1	10/07/08	sm	10/07/08	jm	5.0
Barium	<1.0 mg/L	1.0	1	10/07/08	sm	10/07/08	jm	100
Cadmium	<0.10 mg/L	0.10	1	10/07/08	sm	10/07/08	jm	1.0
Chromium	<0.50 mg/L	0.50	1	10/07/08	sm	10/07/08	jm	5.0
Lead	<0.50 mg/L	0.50	1	10/07/08	sm	10/07/08	jm	5.0
Selenium	<0.60 mg/L	0.60	1	10/07/08	sm	10/07/08	jm	1.0
Silver	<0.10 mg/L	0.10	1	10/07/08	sm	10/08/08	jm	5.0

Analysis Method: EPA 7470A

Batch: T007492

Mercury	<0.010 mg/L	0.010	1	10/07/08	sm	10/09/08	jm	0.20
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WET CHEMISTRY

Analysis Method: % Calculation

Batch: T007512

% Solids	91 % by Wt.	0.10	1	10/07/08	at	10/08/08	jn	N
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Analysis Method: EPA 1010

Batch: T007597

Flashpoint	> 200 °F	1.0	1	10/13/08	jn	10/13/08	jn
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Analysis Method: EPA 376.2

Batch: T007535

Sulfide	<1.0 mg/kg dry	1.0	1	10/08/08	jn	10/08/08	jn
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Analysis Method: EPA 9012B

Batch: T007496

Cyanide (total)	0.73 mg/kg dry	0.20	1	10/07/08	da	10/07/08	da	N
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Analysis Method: EPA 9045C

Batch: T007532

Corrosivity-pH	5.8 pH Units		1	10/08/08	jn	10/08/08	jn	N
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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-05	Date Collected:	10/06/08 11:04	Matrix:	Soil
Sample ID:	OATTER-100608-04-SL	Date Received:	10/06/08 13:25		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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WET CHEMISTRY

Analysis Method: EPA Chapter 7.3

Batch: T007493

Cyanide, Reactive	<0.50 mg/kg dry	0.50	1	10/07/08	da	10/07/08	da
Sulfide, Reactive	<5.4 mg/kg dry	5.4	1	10/07/08	da	10/08/08	jn 401, N

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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-06	Date Collected:	10/06/08 11:47	Matrix:	Soil
Sample ID:	OATTER-100608-05-SL	Date Received:	10/06/08 13:25		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8260B

Batch: T007568

Vinyl chloride	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.20
1,1-Dichloroethene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.70
2-Butanone	<0.25 mg/L	0.25	50	10/09/08	jp	10/09/08	jp	200
Chloroform	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	6.0
Carbon tetrachloride	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
Benzene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
1,2-Dichloroethane	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
Trichloroethene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.50
Tetrachloroethene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	0.70
Chlorobenzene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	100
1,4-Dichlorobenzene	<0.050 mg/L	0.050	50	10/09/08	jp	10/09/08	jp	7.5
Surrogates:								
1,2-Dichloroethane-d4	97 %	70-133	50	10/09/08	jp	10/09/08	jp	
Toluene-d8	99 %	76-125	50	10/09/08	jp	10/09/08	jp	
4-Bromofluorobenzene	97 %	72-123	50	10/09/08	jp	10/09/08	jp	
1,2-Dichlorobenzene-d4	100 %	71-123	50	10/09/08	jp	10/09/08	jp	

SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8270C

Batch: T007487

Pyridine	<0.40 mg/L	0.40	2	10/07/08	kb	10/09/08	avl	5.0
2-Methylphenol (o-Cresol)	<0.050 mg/L	0.050	2	10/07/08	kb	10/09/08	avl	200
3,4-Methylphenol (m,p Cresol)	<0.050 mg/L	0.050	2	10/07/08	kb	10/09/08	avl	200
Hexachloroethane	<0.050 mg/L	0.050	2	10/07/08	kb	10/09/08	avl	3.0
Nitrobenzene	<0.020 mg/L	0.020	2	10/07/08	kb	10/09/08	avl	2.0
Hexachlorobutadiene	<0.050 mg/L	0.050	2	10/07/08	kb	10/09/08	avl	0.50
2,4,6-Trichlorophenol	<0.020 mg/L	0.020	2	10/07/08	kb	10/09/08	avl	2.0
2,4,5-Trichlorophenol	<0.050 mg/L	0.050	2	10/07/08	kb	10/09/08	avl	400
2,4-Dinitrotoluene	<0.050 mg/L	0.050	2	10/07/08	kb	10/09/08	avl	0.13
Hexachlorobenzene	<0.050 mg/L	0.050	2	10/07/08	kb	10/09/08	avl	0.13
Pentachlorophenol	<0.10 mg/L	0.10	2	10/07/08	kb	10/09/08	avl	100
Surrogates:								
2-Fluorophenol	42 %	20-53	2	10/07/08	kb	10/09/08	avl	
Phenol-d5	26 %	11-40	2	10/07/08	kb	10/09/08	avl	

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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-06	Date Collected:	10/06/08 11:47	Matrix:	Soil
Sample ID:	OATTER-100608-05-SL	Date Received:	10/06/08 13:25		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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METALS, TCLP

Analysis Method: EPA 6010B

Batch: T007497

Arsenic	<0.30 mg/L	0.30	1	10/07/08	sm	10/07/08	jm	5.0
Barium	<1.0 mg/L	1.0	1	10/07/08	sm	10/07/08	jm	100
Cadmium	<0.10 mg/L	0.10	1	10/07/08	sm	10/07/08	jm	1.0
Chromium	<0.50 mg/L	0.50	1	10/07/08	sm	10/07/08	jm	5.0
Lead	<0.50 mg/L	0.50	1	10/07/08	sm	10/07/08	jm	5.0
Selenium	<0.60 mg/L	0.60	1	10/07/08	sm	10/07/08	jm	1.0
Silver	<0.10 mg/L	0.10	1	10/07/08	sm	10/08/08	jm	5.0

Analysis Method: EPA 7470A

Batch: T007492

Mercury	<0.010 mg/L	0.010	1	10/07/08	sm	10/09/08	jm	0.20
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WET CHEMISTRY

Analysis Method: % Calculation

Batch: T007512

% Solids	83 % by Wt.	0.10	1	10/07/08	at	10/08/08	jn	N
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Analysis Method: EPA 1010

Batch: T007597

Flashpoint	> 200 °F	1.0	1	10/13/08	jn	10/13/08	jn
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Analysis Method: EPA 376.2

Batch: T007535

Sulfide	<1.0 mg/kg dry	1.0	1	10/08/08	jn	10/08/08	jn
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Analysis Method: EPA 9012B

Batch: T007496

Cyanide (total)	2.8 mg/kg dry	0.20	1	10/07/08	da	10/07/08	da	N
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Analysis Method: EPA 9045C

Batch: T007532

Corrosivity-pH	4.7 pH Units		1	10/08/08	jn	10/08/08	jn	N
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ANALYTICAL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

Trace ID:	T08J069-06	Date Collected:	10/06/08 11:47	Matrix:	Soil
Sample ID:	OATTER-100608-05-SL	Date Received:	10/06/08 13:25		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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WET CHEMISTRY

Analysis Method: EPA Chapter 7.3

Batch: T007493

Cyanide, Reactive	<0.50 mg/kg dry	0.50	1	10/07/08	da	10/07/08	da
Sulfide, Reactive	<5.7 mg/kg dry	5.7	1	10/07/08	da	10/08/08	jn 401, N

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QUALITY CONTROL RESULTS

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

QC Batch: T007485
 QC Batch Method: Leaching procedures

Analysis Description: TCLP Extraction, SVOC
 Analysis Method: EPA 1311

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

QC Batch: T007497
 QC Batch Method: EPA 3015 Microwave Assisted Digestions

Analysis Description: Arsenic, TCLP
 Analysis Method: EPA 6010B

METHOD BLANK: T007497-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Lead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	

METHOD BLANK: T007497-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Lead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	

LABORATORY CONTROL SAMPLE: T007497-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Silver	mg/L	0.0278	<0.10	98	80-120	
Arsenic	mg/L	0.0556	<0.30	91	80-120	
Barium	mg/L	0.889	<1.0	97	80-120	
Cadmium	mg/L	0.0278	<0.10	97	80-120	
Chromium	mg/L	0.0278	<0.50	96	80-120	
Lead	mg/L	0.0556	<0.50	91	80-120	
Selenium	mg/L	0.0556	<0.60	93	80-120	

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Trace Project ID: T08J069
 Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

QC Batch: T007492	Analysis Description: Mercury, TCLP
QC Batch Method: EPA 7470A Prep	Analysis Method: EPA 7470A

METHOD BLANK: T007492-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/L	<0.010	0.010	

METHOD BLANK: T007492-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/L	<0.010	0.010	

LABORATORY CONTROL SAMPLE: T007492-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	mg/L	0.00200	<0.010	92	80-120	

Trace Project ID: T08J069
 Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

QC Batch: T007484	Analysis Description: TCLP Extraction, Metals
QC Batch Method: Leaching procedures	Analysis Method: EPA 1311

Trace Project ID: T08J069
 Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

QC Batch: T007486	Analysis Description: TCLP ZHE, Volatiles
QC Batch Method: Leaching procedures	Analysis Method: EPA 1311

Trace Project ID: T08J069
 Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

QC Batch: T007488	Analysis Description: TCLP Pesticides
QC Batch Method: EPA 3510C Separatory Funnel Liquid-Liq	Analysis Method: EPA 8081A

METHOD BLANK: T007488-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Chlordane	mg/L	<0.00005 0	0.000050	
Endrin	mg/L	<0.00001 0	0.000010	
gamma-BHC (Lindane)	mg/L	<0.00001 0	0.000010	

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METHOD BLANK: T007488-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Heptachlor	mg/L	<0.00001 0	0.000010	
Heptachlor epoxide	mg/L	<0.00001 0	0.000010	
Methoxychlor	mg/L	<0.00001 0	0.000010	
Toxaphene	mg/L	<0.00050	0.00050	
Tetrachloro-m-xylene (S)	%	53	38-94	
Decachlorobiphenyl (S)	%	93	40-93	

LABORATORY CONTROL SAMPLE: T007488-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Endrin	mg/L	0.000050 2	0.000034	68	31-145	
gamma-BHC (Lindane)	mg/L	0.000050 7	0.000031	63	38-125	
Heptachlor	mg/L	0.000050 1	0.000031	62	34-124	
Heptachlor epoxide	mg/L	0.000050 5	0.000032	65	35-125	
Methoxychlor	mg/L	0.000050 1	0.000035	70	54-109	
Tetrachloro-m-xylene (S)	%	0.000100 4	0.000063	63	38-94	
Decachlorobiphenyl (S)	%	0.000100 6	0.000099	100	40-93	304

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007488-MSD1 Original: T08J069-05

Parameter	Units	Original Result	Spike Conc.	MS Result	MS Result	MS % Rec	MS % Rec	% Rec Limit	RPD	Max RPD	Notes
Endrin	mg/L	0 5	0.000050 0.000031	0.0000323	63	65	65	53-158	3	20	
gamma-BHC (Lindane)	mg/L	0 4	0.000050 0.000035	0.0000308	71	62	62	36-139	14	39	
Heptachlor	mg/L	0 3	0.000050 0.000035	0.0000292	71	58	58	30-133	19	22	
Heptachlor epoxide	mg/L	0 7	0.000050 0.000032	0.0000303	65	61	61	48-132	8	26	
Methoxychlor	mg/L	0 4	0.000050 0.000027	0.0000339	55	68	68	67-131	21	27	208
Tetrachloro-m-xylene (S)	%	0.000100 8	0.000069 0.0000549	0.0000549	70	55	55	38-94			
Decachlorobiphenyl (S)	%	0.000100 1	0.000058 0.0000670	0.0000670	58	67	67	40-93			

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

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QC Batch: T007489
QC Batch Method: EPA 8151

Analysis Description: TCLP Herbicides
Analysis Method: EPA 8151A

METHOD BLANK: T007489-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
2,4-D	mg/L	<0.0020	0.0020	
2,4,5-TP (Silvex)	mg/L	<0.0010	0.0010	
2,4-Dichlorophenylacetic acid (S)	%	79	39-125	

LABORATORY CONTROL SAMPLE: T007489-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2,4-D	mg/L	0.00400	0.00321	80	40-129	
2,4,5-TP (Silvex)	mg/L	0.00400	0.00368	92	56-121	
2,4-Dichlorophenylacetic acid (S)	%	0.00800	0.00730	91	39-125	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007489-MSD1 Original: T08J069-06

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
2,4-D	mg/L	0.00	0.0400	0.0369	<0.050	92	44	52-123	71	41	
2,4,5-TP (Silvex)	mg/L	0.00	0.0400	0.0368	<0.025	92	49	61-112	61	27	
2,4-Dichlorophenylacetic acid (S)	%		0.0800	0.0709	0.0340	89	42	39-125			

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

QC Batch: T007487
QC Batch Method: EPA 3510C Separatory Funnel Liquid-Liq

Analysis Description: TCLP Semi-Volatiles
Analysis Method: EPA 8270C

METHOD BLANK: T007487-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Pyridine	mg/L	<0.020	0.020	
2-Methylphenol (o-Cresol)	mg/L	<0.0025	0.0025	
3,4-Methylphenol (m,p Cresol)	mg/L	<0.0025	0.0025	
Hexachloroethane	mg/L	<0.0025	0.0025	
Nitrobenzene	mg/L	<0.0010	0.0010	
Hexachlorobutadiene	mg/L	<0.0025	0.0025	
2,4,6-Trichlorophenol	mg/L	<0.0010	0.0010	
2,4,5-Trichlorophenol	mg/L	<0.0025	0.0025	
2,4-Dinitrotoluene	mg/L	<0.0025	0.0025	
Hexachlorobenzene	mg/L	<0.0025	0.0025	
Pentachlorophenol	mg/L	<0.0050	0.0050	
2-Fluorophenol (S)	%	30	20-53	
Phenol-d5 (S)	%	19	11-40	

CERTIFICATE OF ANALYSIS

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METHOD BLANK: T007487-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Nitrobenzene-d5 (S)	%	50	36-103	
2-Fluorobiphenyl (S)	%	50	36-119	
2,4,6-Tribromophenol (S)	%	55	30-105	
Terphenyl-d14 (S)	%	55	37-109	

LABORATORY CONTROL SAMPLE: T007487-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Hexachloroethane	mg/L	0.100	0.0591	59	38-85	
Nitrobenzene	mg/L	0.100	0.0638	64	47-99	
Hexachlorobutadiene	mg/L	0.100	0.0650	65	36-93	
2,4,6-Trichlorophenol	mg/L	0.100	0.0871	67	48-106	
2,4-Dinitrotoluene	mg/L	0.100	0.0722	72	39-105	
Hexachlorobenzene	mg/L	0.100	0.0542	54	52-106	
Pentachlorophenol	mg/L	0.100	0.0695	70	38-102	
2-Fluorophenol (S)	%	0.100	0.0432	43	20-53	
Phenol-d5 (S)	%	0.100	0.0278	28	11-40	
Nitrobenzene-d5 (S)	%	0.100	0.0699	70	36-103	
2-Fluorobiphenyl (S)	%	0.100	0.0715	72	36-119	
2,4,6-Tribromophenol (S)	%	0.100	0.0751	75	30-105	
Terphenyl-d14 (S)	%	0.100	0.0738	74	37-109	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007487-MSD1

Original: T08J069-04

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	MS % Rec	% Rec Limit	RPD	Max RPD	Notes
Hexachloroethane	mg/L	0	0.100	0.0513	0.0503	51	50	43-81	2	26
Nitrobenzene	mg/L	0	0.100	0.0560	0.0524	56	52	47-97	6	25
Hexachlorobutadiene	mg/L	0	0.100	0.0569	0.0557	57	56	43-86	2	23
2,4,6-Trichlorophenol	mg/L	0	0.100	0.0553	0.0552	55	55	49-100	0.2	21
2,4-Dinitrotoluene	mg/L	0	0.100	0.0637	0.0627	64	63	28-106	2	24
Hexachlorobenzene	mg/L	0	0.100	0.0464	0.0457	46	46	50-110	2	24
Pentachlorophenol	mg/L	0	0.100	0.0560	0.0551	56	55	30-109	2	23
2-Fluorophenol (S)	%	0.100	0.0340	0.0336	34	34	20-53			
Phenol-d5 (S)	%	0.100	0.0220	0.0219	22	22	11-40			
Nitrobenzene-d5 (S)	%	0.100	0.0577	0.0562	58	56	36-103			
2-Fluorobiphenyl (S)	%	0.100	0.0584	0.0600	58	60	36-119			
2,4,6-Tribromophenol (S)	%	0.100	0.0579	0.0589	58	59	30-105			
Terphenyl-d14 (S)	%	0.100	0.0593	0.0602	59	60	37-109			

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

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G/C Batch: T007568

G/C Batch Method: EPA 5030B Purge-and-Trap for Aqueous :

Analysis Description: TCLP Volatiles

Analysis Method: EPA 8260B

METHOD BLANK: T007568-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Vinyl chloride	mg/L	<0.050	0.050	
1,1-Dichloroethene	mg/L	<0.050	0.050	
2-Butanone	mg/L	<0.25	0.25	
Chloroform	mg/L	<0.050	0.050	
Carbon tetrachloride	mg/L	<0.050	0.050	
Benzene	mg/L	<0.050	0.050	
1,2-Dichloroethane	mg/L	<0.050	0.050	
Trichloroethene	mg/L	<0.050	0.050	
Tetrachloroethene	mg/L	<0.050	0.050	
Chlorobenzene	mg/L	<0.050	0.050	
1,4-Dichlorobenzene	mg/L	<0.050	0.050	
1,2-Dichloroethane-d4 (S)	%	97	70-133	
Toluene-d8 (S)	%	98	76-125	
4-Eromo fluorobenzene (S)	%	96	72-123	
1,2-Dichlorobenzene-d4 (S)	%	99	71-123	

LABORATORY CONTROL SAMPLE: T007568-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Vinyl chloride	mg/L	0.0200	<0.050	91	47-184	
1,1-Dichloroethene	mg/L	0.0200	<0.050	93	64-156	
2-Butanone	mg/L	0.0200	<0.25	108	70-130	
Chloroform	mg/L	0.0200	<0.050	94	80-120	
Carbon tetrachloride	mg/L	0.0200	<0.050	96	79-141	
Benzene	mg/L	0.0200	<0.050	92	80-120	
1,2-Dichloroethane	mg/L	0.0200	<0.050	95	80-120	
Trichloroethene	mg/L	0.0200	<0.050	87	69-133	
Tetrachloroethene	mg/L	0.0200	<0.050	92	70-120	
Chlorobenzene	mg/L	0.0200	<0.050	95	80-120	
1,4-Dichlorobenzene	mg/L	0.0200	<0.050	96	80-120	
1,2-Dichloroethane-d4 (S)	%	30.0	28.2	94	70-133	
Toluene-d8 (S)	%	30.0	29.7	99	76-125	
4-Eromo fluorobenzene (S)	%	30.0	29.3	98	72-123	
1,2-Dichlorobenzene-d4 (S)	%	30.0	30.3	101	71-123	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007568-MSD1 Original: T08J069-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Vinyl chloride	mg/L	0	1.00	0.950	0.912	95	91	60-153	4	13

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007568-MSD1 Original: T08J069-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
1,1-Dichloroethene	mg/L	0	1.00	0.938	0.930	94	93	60-146	0.8	15	
2-Butanone	mg/L	0	1.00	1.04	1.05	104	105	60-140	1	23	
Chloroform	mg/L	0	1.00	0.980	0.968	98	97	68-124	1	13	
Carbon tetrachloride	mg/L	0	1.00	0.986	0.966	99	97	68-125	2	12	
Benzene	mg/L	0	1.00	0.972	0.968	97	97	78-114	0.3	11	
1,2-Dichloroethane	mg/L	0	1.00	0.975	0.968	98	97	63-132	0.7	11	
Trichloroethene	mg/L	0	1.00	0.887	0.886	89	89	70-117	0.2	14	
Tetrachloroethene	mg/L	0	1.00	0.924	0.912	92	91	57-126	1	12	
Chlorobenzene	mg/L	0	1.00	0.988	0.974	99	97	75-116	1	12	
1,4-Dichlorobenzene	mg/L	0	1.00	0.919	0.943	92	94	69-118	3	18	
1,2-Dichloroethane-d4 (S)	%	30.0	28.2	29.2	94	97	70-133				
Toluene-d8 (S)	%	30.0	30.6	30.3	102	101	76-125				
4-Bromofluorobenzene (S)	%	30.0	28.0	29.0	93	97	72-123				
1,2-Dichlorobenzene-d4 (S)	%	30.0	29.0	30.2	97	101	71-123				

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

C/C Batch: T007512
C/C Batch Method: % Solids

Analysis Description: Solids, Dry Weight
Analysis Method: % Calculation

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

C/C Batch: T007597
C/C Batch Method: EPA 1010

Analysis Description: Flash Point (Ignitability)
Analysis Method: EPA 1010

LABORATORY CONTROL SAMPLE: T007597-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Flashpoint	°F	95.0	95.0	100	95-105	

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

C/C Batch: T007535
C/C Batch Method: EPA 376.2

Analysis Description: Sulfide, Colorimetric, Methylene Blue
Analysis Method: EPA 376.2

METHOD BLANK: T007535-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Sulfide	mg/kg wet	<1.0	1.0	

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LABORATORY CONTROL SAMPLE: T007535-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Sulfide	mg/kg wet	2.90	2.71	93	80-120	

LABORATORY CONTROL SAMPLE: T007635-BS2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Sulfide	mg/kg wet	2.90	2.59	89	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007535-MSD1 Original: T08J069-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Sulfide	mg/kg dry	0	3.02	2.16	2.24	78	74	75-125	5	20	209

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

QC Batch: T007496
QC Batch Method: EPA 9012B

Analysis Description: Cyanide, Total
Analysis Method: EPA 9012B

METHOD BLANK: T007496-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Cyanide (total)	mg/kg wet	<0.20	0.20	

LABORATORY CONTROL SAMPLE: T007496-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Cyanide (total)	mg/kg wet	4.00	3.86	97	81-111	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007496-MSD1 Original: T08J069-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Cyanide (total)	mg/kg dry	0.104	4.16	4.11	4.02	94	94	61-126	0.06	22	

Trace Project ID: T08J069

Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

QC Batch: T007532
QC Batch Method: EPA 9045C

Analysis Description: Corrosivity (pH for waste)
Analysis Method: EPA 9045C

SAMPLE DUPLICATE: T007532-DUP1 Original: T08J069-01

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes

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SAMPLE DUPLICATE: T007532-DUP1 Original: T08J069-01

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Corrosivity-pH	pH Units	6.04	5.99	0.8	200	

Trace Project ID: T08J069
Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

QC Batch: T007493	Analysis Description: Reactivity - Cyanide
QC Batch Method: EPA Chapter 7.3	Analysis Method: EPA Chapter 7.3

METHOD BLANK: T007493-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Cyanide, Reactive	mg/kg wet	<0.50	0.50	

LABORATORY CONTROL SAMPLE: T007493-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Cyanide, Reactive	mg/L	0.200	0.180	90	79-116	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007493-MSD1 Original: T08J069-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Cyanide, Reactive	mg/L	0.00354	0.200	0.185	0.189	91	93	64-129	2	14

Trace Project ID: T08J069
Client Project ID: Texas Township Drum Kalamazoo / 030281.0014

CC Batch: T007494	Analysis Description: Reactivity - Sulfide
CC Batch Method: EPA Chapter 7.3	Analysis Method: EPA Chapter 7.3

METHOD BLANK: T007494-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Sulfide, Reactive	mg/kg wet	<5.0	5.0	

LABORATORY CONTROL SAMPLE: T007494-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Sulfide, Reactive	mg/L	0.500	0.414	83	74-126	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007494-MSD1 Original: T08J069-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
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Muskegon, MI 49444-2673
info@trace-labs.com
www.trace-labs.com

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007494-MSD1 Original: T08J069-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Sulfide, Reactive	mg/L	0.0371	0.500	0.377	0.486	68	90	52-115	27	27	

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10/13/08 Page 1 of 1

TRACE ID NO.

T084069

Report Results To:		TRACE USE ONLY													
Client Name: EQM		Logged By: <i>J.S. mull</i>		Checked By: <i>SB</i>											
Contact Person: Angye Dragatta		Received on ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Preservative Checked: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>N/A</i>											
Mailing Address: 1800 Carillon Blvd		Soil Volatiles Preserved: MeOH En Core Low Level Lab													
City, State, Zip Code: Cincinnati Ohio 45240															
Phone: 513-825-7500 Fax:															
Email Address: adragatta@eqm.com															
Project #: 030281.0014 PO #:		Trace Quota #:													
Project Name: Texas Township Drum		Sampled by:													
Bill To:		Regulatory Requirements		Turnaround Requirements											
		MERA TMDLs <input type="checkbox"/>	Standard (2 wk) <input type="checkbox"/>	W = Wipes <input type="checkbox"/>	S = Soil <input type="checkbox"/>										
		Drinking Water <input type="checkbox"/>	* 5 Day <input type="checkbox"/>	LW = Liquid Waste <input type="checkbox"/>	W = Water <input type="checkbox"/>										
		NPDES <input type="checkbox"/>	* 24 Day (RUSH) <input type="checkbox"/>	SE = Sediment <input type="checkbox"/>	SE = Sediment <input type="checkbox"/>										
		USACE <input type="checkbox"/>	* 24 Hour (RUSH) <input type="checkbox"/>	A = Air <input type="checkbox"/>	A = Air <input type="checkbox"/>										
		Special <input type="checkbox"/>	* Requires prior approval <input type="checkbox"/>	CI = Oil <input type="checkbox"/>	CI = Oil <input type="checkbox"/>										
				SO = Solid Waste <input type="checkbox"/>											
				SL = Sludge <input type="checkbox"/>											
ANALYSIS REQUESTED															
Request for Analytical Services	TRACE NO.	DATE TAKEN	TIME TAKEN	METAL FILTERED	CLIENT SAMPLE ID	MATRIX	NUMBER OF CONSTITUENTS	REMARKS							
								TCLP-VOC	TCLP-JVOC	TCLP-Hets/9	TCLP-Pesticides	TCLP-Herbicides	Flame-AAS	T-C	T-Sulfide
01	10/6/08	1053	N	OATTER-100608-01-SL	S	2	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓								
02		1112	N	OATTER-100608-02-SL	S	2	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓								
03		1112	H	OATTER-100608-02-SL-DP	S	2	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓								
04		1140	H	OATTER-100608-03-SL	S	2	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓								
05		1104	H	OATTER-100608-04-SL	S	2	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓								
06	10/6/08	1147	H	OATTER-100608-05-SL	S	2	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓								
Please Sign		Item #	RELEASED BY	RECEIVED BY	DATE	TIME	Item #	RELEASED BY	RECEIVED BY	DATE	TIME				
		1)	<i>Michael Beatty</i>	<i>Tommy Berry</i>	10/6/08	1325	3)								
		2)	<i>Tommy Berry</i>	<i>Tommy Berry</i>	10/6/08	1518	4)								

In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.

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Report ID: T084069 FINAL 10/13/08 1540

Page 40 of 41

SAMPLE LOG IN CHECKLIST

Date: <u>10-08-08</u>	Client Name: <u>EQM</u>	# of Coolers: <u>1</u>
Trace ID #: <u>T08J069</u>	Project Name: <u>108J069</u>	Cooler #: _____
Logged in by: <u>JM</u>		
Cooler Receipt		
Cooler/samples delivered by:		
Trace courier <input checked="" type="checkbox"/>	Hand delivered <input type="checkbox"/>	Name of delivery person: <u>Tim B</u>
Commercial courier <input type="checkbox"/>	UPS <input type="checkbox"/> DHL <input type="checkbox"/> FED EX <input type="checkbox"/> US Mail <input type="checkbox"/>	
Did cooler come with a bill of lading?	No <input type="checkbox"/>	Not Applicable <input checked="" type="checkbox"/>
	Yes <input type="checkbox"/>	Way Bill or Tracking #: _____
COC Seals present and intact on cooler?	No <input type="checkbox"/>	Not Applicable <input checked="" type="checkbox"/>
Yes <input type="checkbox"/>		
Custody seals signed by Client?	No <input type="checkbox"/>	Client custody seal # (if applicable): _____
Yes <input type="checkbox"/>		
Coolant and Temperature		
Type of Coolant Used	Cooler Temperature Correction Factor <u>0</u> °C	
Slurry w/ crushed, cubed, or chip ice? Yes <input type="checkbox"/> No <input type="checkbox"/>	Date: <u>10-08</u>	Time: <u>15:18</u>
Multiple bags of ice around samples? <input checked="" type="checkbox"/>	Temperature Blank: <u>4.4</u> °C	Average of 3 samples: <u>9</u> °C
Ice Packs/ Blue Ice : <input type="checkbox"/>	Melt Water: <input type="checkbox"/>	
No Coolant Present: <input type="checkbox"/>	Ice still present upon receipt: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
General		
COC taped to inside of cooler lid?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA <input type="checkbox"/>	
All bottles arrived unbroken with labels in good condition?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	
Each sample point is in a sealed plastic bag?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	
Labels filled out completely?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	
All bottle labels agree with Chain of Custody (COC)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	
Sufficient sample to run tests requested?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	
pH checked and samples at correct pH?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA <input type="checkbox"/>	
Correct preservative added to samples?	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	
DRO/GRO samples received and appropriate check in form completed?	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	
Air bubbles absent from VOAs?	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	
COC filled out properly and signed by client?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	
COC signed in by TRACE sample custodian?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	
Was project manager called and samples discussed?	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	
Contact: _____	Date: _____	
Notes:		
<hr/> <hr/> <hr/> <hr/>		

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October 28, 2008

Ms. Angye Dragotta
Environmental Quality Management, Inc.
1800 Carillon Boulevard
Cincinnati, OH 45240

Phone: (513) 825-7500
Fax: (513) 825-7495

RE: Trace Project T08J214
Client Project USEPA Texas Township Drum / 030281.0014

Dear Ms. Dragotta:

Enclosed are your analytical results.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work. Some reports may have raised reporting limits to correct for percent solids.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,



Jon Mink
Project Manager

Enclosures



TRACE OPERATES IN COMPLIANCE WITH THE DEPARTMENT OF DEFENSE
QUALITY SYSTEMS MANUAL FOR ENVIRONMENTAL LABORATORIES

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SAMPLE SUMMARY

Trace Project ID: T08J214
 Client Project ID: USEPA Texas Township Drum / 030281.0014

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
T08J214-01	Haz Roll Off No. 1	Solid	js	10/20/08 09:45	10/20/08 12:44
T08J214-02	Haz Roll Off No. 2 & 3	Solid	js	10/20/08 09:50	10/20/08 12:44

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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MS	Matrix Spike
MSD	Matrix Spike Duplicate
RPD	Relative Percent Difference
DUP	Matrix Duplicate
RD_	Reporting Detection Limit
MCL	Maximum Contamination Limit
TIC	Tentatively Identified Compound
<, ND or U	Indicates the compound was analyzed for but not detected
*	Indicates a result that exceeds its associated MCL or Surrogate control limits
N	Indicates that the compound has not been evaluated by NELAC
NA	Indicates that the compound is not available.

DATA QUALIFIERS

Trace ID: T007719-MS1

Analysis: EPA 6010B

Barium	Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.
Cadmium	Note 229 : The MS and MSD recoveries were out of control. The RPD between the MS and MSD was also out of control. The result for this analyte, in the non-spiked version of the sample, must be considered estimated.
Chromium	Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.
Lead	Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Analysis: EPA 6020

Arsenic	Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.
Silver	Note 205 : The MS and MSD recoveries were out of control low. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.

Analysis: EPA 7471A

Mercury	Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.
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Trace ID: T007719-MSD1

Analysis: EPA 6010B

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Barium Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Cadmium Note 229 : The MS and MSD recoveries were out of control. The RPD between the MS and MSD was also out of control. The result for this analyte, in the non-spiked version of the sample, must be considered estimated.

Chromium Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Lead Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Analysis: EPA 6020

Arsenic Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Silver Note 205 : The MS and MSD recoveries were out of control low. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.

Analysis: EPA 7471A

Mercury Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Trace ID: T007721-MSD1

Analysis: EPA Chapter 7.3

Cyanide, Reactive Note 203 : The MSD recovery was out of control high, resulting in an out of control RPD between the MS and the MSD. The result for this analyte, in the non-spiked version of the sample, must be considered estimated.

Trace ID: T007726-MS1

Analysis: EPA 6010B

Arsenic Note 208 : The MS recovery was out of control. Because the MSD recovery and the RPD between the MS and the MSD were in control, no data require qualification.

Silver Note 205 : The MS and MSD recoveries were out of control low. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.

Trace ID: T007726-MSD1

Analysis: EPA 6010B

Silver Note 205 : The MS and MSD recoveries were out of control low. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.

Trace ID: T007746-MS1

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Analysis: EPA 7470A

Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Trace ID: T007746-MSD1

Analysis: EPA 7470A

Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Trace ID: T007752-BS1

Analysis: EPA 8270C

2,4,6-Trichlorophenol Note 812 : Sporadic marginal recovery failure. No data require qualification.

4-Bromophenyl phenyl ether Note 812 : Sporadic marginal recovery failure. No data require qualification.

Hexachlorobenzene Note 812 : Sporadic marginal recovery failure. No data require qualification.

Trace ID: T007755-MS1

Analysis: EPA 9012B

Cyanide (total) Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Trace ID: T007755-MSD1

Analysis: EPA 9012B

Cyanide (total) Note 223 : The MS and MSD recoveries and the RPD were out of control. Because the background concentration of this analyte is greater than four times the spike amount, no data require qualification.

Trace ID: T007804-MSD1

Analysis: EPA 8260B

1,4-Dichlorobenzene Note 207 : The RPD between the MS and the MSD was out of control. Because both spike recoveries were in control, no data require qualification.

Trace ID: T08J214-01

Analysis: EPA 6010B

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Cadmium

Note 229 : The MS and MSD recoveries were out of control. The RPD between the MS and MSD was also out of control. The result for this analyte, in the non-spiked version of the sample, must be considered estimated.

Silver

Note 205 : The MS and MSD recoveries were out of control low. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.

Analysis: EPA 6020

Silver

Note 205 : The MS and MSD recoveries were out of control low. The result and reporting limit for this analyte, in the non-spiked version of the sample, must be considered estimated.

Analysis: EPA 8081A

Note 404 : The reporting limit was raised due to a dilution required because of matrix interference.

Decachlorobiphenyl

Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

Tetrachloro-m-xylene

Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

Analysis: EPA 8270C

Note 407 : The reporting limit was raised due to a post extraction dilution required based on matrix interference present in the sample.

2,4,6-Tribromophenol

Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

2-Fluorobiphenyl

Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

2-Fluorophenol

Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

Nitrobenzene-d5

Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

Phenol-d5

Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

Terphenyl-d14

Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

Analysis: EPA Chapter 7.3

Cyanide, Reactive

Note 203 : The MSD recovery was out of control high, resulting in an out of control RPD between the MS and the MSD. The result for this analyte, in the non-spiked version of the sample, must be considered estimated.

Sulfide, Reactive

Note 401 : The reporting limit was elevated due to a correction for the percent solids content found in the sample.

Trace ID: T08J214-02

Analysis: EPA 8081A

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Note 404 : The reporting limit was raised due to a dilution required because of matrix interference.

Decachlorobiphenyl Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

Tetrachloro-m-xylene Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

Analysis: EPA 8260B

Note 402 : The reporting limit was raised due to a dilution required because of chromatographic interference with the internal standards.

Analysis: EPA 8270C

Note 407 : The reporting limit was raised due to a post extraction dilution required based on matrix interference present in the sample.

2,4,6-Tribromophenol Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

2-Fluorobiphenyl Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

Nitrobenzene-d5 Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

Terphenyl-d14 Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

Analysis: EPA Chapter 7.3

Sulfide, Reactive Note 401 : The reporting limit was elevated due to a correction for the percent solids content found in the sample.

Trace ID: T08J214-02RE1

Analysis: EPA 8270C

Note 402 : The reporting limit was raised due to a dilution required because of chromatographic interference with the internal standards.

2-Fluorophenol Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

Phenol-d5 Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available.

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ANALYTICAL RESULTS

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

Trace ID:	T08J214-01	Date Collected:	10/20/08 09:45	Matrix:	Solid
Sample ID:	Haz Roll Off No. 1	Date Received:	10/20/08 12:44		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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VOLATILE ORGANIC COMPOUNDS BY GC-MS

Analysis Method: EPA 8260B

Batch: T007763

Dichlorodifluoromethane	<250 ug/kg dry	250	50	10/22/08	jp	10/22/08	jp
Chloromethane	<250 ug/kg dry	250	50	10/22/08	jp	10/22/08	jp
Vinyl chloride	<64 ug/kg dry	64	50	10/22/08	jp	10/22/08	jp
Bromomethane	<200 ug/kg dry	200	50	10/22/08	jp	10/22/08	jp
Chloroethane	<250 ug/kg dry	250	50	10/22/08	jp	10/22/08	jp
Trichlorofluoromethane	<100 ug/kg dry	100	50	10/22/08	jp	10/22/08	jp
Diethyl ether	<320 ug/kg dry	320	50	10/22/08	jp	10/22/08	jp
Tert-butyl alcohol	<4000 ug/kg dry	4000	50	10/22/08	jp	10/22/08	jp
1,1-Dichloroethene	<80 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
Acetone	<1200 ug/kg dry	1200	50	10/22/08	jp	10/22/08	jp
Iodomethane	<100 ug/kg dry	100	50	10/22/08	jp	10/22/08	jp
Carbon disulfide	<400 ug/kg dry	400	50	10/22/08	jp	10/22/08	jp
Methyl-tert-butyl ether	<400 ug/kg dry	400	50	10/22/08	jp	10/22/08	jp
Methylene chloride	490 ug/kg dry	250	50	10/22/08	jp	10/22/08	jp
Acrylonitrile	<160 ug/kg dry	160	50	10/22/08	jp	10/22/08	jp
trans-1,2-Dichloroethene	<80 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
1,1-Dichloroethane	<80 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
Diisopropyl Ether	<400 ug/kg dry	400	50	10/22/08	jp	10/22/08	jp
2-Butanone	<1200 ug/kg dry	1200	50	10/22/08	jp	10/22/08	jp
cis-1,2-Dichloroethene	<80 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
t-Butyl Ethyl Ether	<400 ug/kg dry	400	50	10/22/08	jp	10/22/08	jp
Eromochloromethane	<100 ug/kg dry	100	50	10/22/08	jp	10/22/08	jp
Tetrahydrofuran	<1600 ug/kg dry	1600	50	10/22/08	jp	10/22/08	jp
Chloroform	<80 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
1,1,1-Trichloroethane	95 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
Carbon tetrachloride	0.5 mg/l	-00	50	10/22/08	jp	10/22/08	jp
o-xylene	0.5 mg/l	400	50	10/22/08	jp	10/22/08	jp
t-Amyl Methyl Ether	<400 ug/kg dry	400	50	10/22/08	jp	10/22/08	jp
1,2-Dichloroethane	<80 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
Trichloroethene	<80 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
1,2-Dichloropropane	<80 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
Dibromomethane	<250 ug/kg dry	250	50	10/22/08	jp	10/22/08	jp
Eromodichloromethane	<100 ug/kg dry	100	50	10/22/08	jp	10/22/08	jp
cis-1,3-Dichloropropene	<80 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
4-Methyl-2-pentanone	<4000 ug/kg dry	4000	50	10/22/08	jp	10/22/08	jp

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ANALYTICAL RESULTS

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

Trace ID:	T08J214-01	Date Collected:	10/20/08 09:45	Matrix:	Solid
Sample ID:	Haz Roll Off No. 1	Date Received:	10/20/08 12:44		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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VOLATILE ORGANIC COMPOUNDS BY GC-MS

Toluene	3200 ug/kg dry	100	50	10/22/08	jp	10/22/08	jp
trans-1,3-Dichloropropene	<80 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
1,1,2-Trichloroethane	<80 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
Tetrachloroethane 0.7 mg/l	8900 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
2-Hexanone	<4000 ug/kg dry	4000	50	10/22/08	jp	10/22/08	jp
Dibromochloromethane	<100 ug/kg dry	100	50	10/22/08	jp	10/22/08	jp
1,2-Dibromoethane (EDB)	<80 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
Chlorobenzene 100 mg/l	300 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
1,1,2-Tetrachloroethane	<100 ug/kg dry	100	50	10/22/08	jp	10/22/08	jp
Ethylbenzene	6800 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
m,p-Xylene	26000 ug/kg dry	160	50	10/22/08	jp	10/22/08	jp
c-Xylene	11000 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
Styrene	320 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
Bromoform	<100 ug/kg dry	100	50	10/22/08	jp	10/22/08	jp
Isopropylbenzene	1500 ug/kg dry	250	50	10/22/08	jp	10/22/08	jp
1,1,2,2-Tetrachloroethane	<80 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
1,2,3-Trichloropropane	<100 ug/kg dry	100	50	10/22/08	jp	10/22/08	jp
trans-1,4-Dichloro-2-butene	<80 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
Bromobenzene	530 ug/kg dry	100	50	10/22/08	jp	10/22/08	jp
n-Propylbenzene	6000 ug/kg dry	100	50	10/22/08	jp	10/22/08	jp
1,3,5-Trimethylbenzene	19000 ug/kg dry	1600	1000	10/22/08	jp	10/22/08	jp
t-Butyl Benzene	<80 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
1,2,4-Trimethylbenzene	58000 ug/kg dry	1600	1000	10/22/08	jp	10/22/08	jp
sec-Butylbenzene	2400 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
p-Isopropyltoluene	3100 ug/kg dry	100	50	10/22/08	jp	10/22/08	jp
1,3-Dichlorobenzene	<100 ug/kg dry	100	50	10/22/08	jp	10/22/08	jp
1,4-Dichlorobenzene	39000 ug/kg dry	1600	1000	10/22/08	jp	10/22/08	jp
n-Butylbenzene	7200 ug/kg dry	80	50	10/22/08	jp	10/22/08	jp
1,2-Dichlorobenzene	3300 ug/kg dry	100	50	10/22/08	jp	10/22/08	jp
1,2-Dibromo-3-chloropropane	<160 ug/kg dry	160	50	10/22/08	jp	10/22/08	jp
Hexachloroethane	<100 ug/kg dry	100	50	10/22/08	jp	10/22/08	jp
1,2,4-Trichlorobenzene	<330 ug/kg dry	330	50	10/22/08	jp	10/22/08	jp
Naphthalene	140000 ug/kg dry	8000	1000	10/22/08	jp	10/22/08	jp
1,2,3-Trichlorobenzene	<250 ug/kg dry	250	50	10/22/08	jp	10/22/08	jp
2-Methylnaphthalene	46000 ug/kg dry	8000	1000	10/22/08	jp	10/22/08	jp
Surrogates:							
1,2-Dichloroethane-d4	95 %	70-133	50	10/22/08	jp	10/22/08	jp

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ANALYTICAL RESULTS

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

Trace ID:	T08J214-01	Date Collected:	10/20/08 09:45	Matrix:	Solid
Sample ID:	Haz Roll Off No. 1	Date Received:	10/20/08 12:44		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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VOLATILE ORGANIC COMPOUNDS BY GC-MS

1,2-Dichloroethane-d4	86 %	70-133	1000	10/22/08	jp	10/22/08	jp
Toluene-d8	96 %	76-125	50	10/22/08	jp	10/22/08	jp
Toluene-d8	99 %	76-125	1000	10/22/08	jp	10/22/08	jp
4-Bromofluorobenzene	91 %	71-123	50	10/22/08	jp	10/22/08	jp
4-Bromofluorobenzene	102 %	71-123	1000	10/22/08	jp	10/22/08	jp
1,2-Dichlorobenzene-d4	102 %	72-123	50	10/22/08	jp	10/22/08	jp
1,2-Dichlorobenzene-d4	103 %	72-123	1000	10/22/08	jp	10/22/08	jp

VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8260B

Batch: T007813

Vinyl chloride	<0.050 mg/L	0.050	50	10/23/08	jp	10/23/08	jp	0.20
1,1-Dichloroethene	<0.050 mg/L	0.050	50	10/23/08	jp	10/23/08	jp	0.70
2-Butanone	<0.25 mg/L	0.25	50	10/23/08	jp	10/23/08	jp	200
Chloroform	<0.050 mg/L	0.050	50	10/23/08	jp	10/23/08	jp	6.0
Carbon tetrachloride	<0.050 mg/L	0.050	50	10/23/08	jp	10/23/08	jp	0.50
Benzene	<0.050 mg/L	0.050	50	10/23/08	jp	10/23/08	jp	0.50
1,2-Dichloroethane	<0.050 mg/L	0.050	50	10/23/08	jp	10/23/08	jp	0.50
Trichloroethene	<0.050 mg/L	0.050	50	10/23/08	jp	10/23/08	jp	0.50
Tetrachloroethene	<0.050 mg/L	0.050	50	10/23/08	jp	10/23/08	jp	0.70
Chlorobenzene	<0.050 mg/L	0.050	50	10/23/08	jp	10/23/08	jp	100
1,4-Dichlorobenzene	7.5 mg/l	0.14 mg/L	0.050	50	10/23/08	jp	10/23/08	jp
Surrogates:								
1,2-Dichloroethane-d4	97 %	70-133	50	10/23/08	jp	10/23/08	jp	
Toluene-d8	97 %	76-125	50	10/23/08	jp	10/23/08	jp	
4-Bromofluorobenzene	94 %	72-123	50	10/23/08	jp	10/23/08	jp	
1,2-Dichlorobenzene-d4	96 %	71-123	50	10/23/08	jp	10/23/08	jp	

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ANALYTICAL RESULTS

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

Trace ID:	T08J214-01	Date Collected:	10/20/08 09:45	Matrix:	Solid
Sample ID:	Haz Roll Off No. 1	Date Received:	10/20/08 12:44		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY

SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS

407

Analysis Method: EPA 8270C

Batch: T007752

Ethyl(2-chloroethyl)ether	<1100 ug/kg dry	1100	20	10/22/08	kb	10/23/08	avl
2-Chlorophenol	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
Phenol	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
Ethyl alcohol	<22000 ug/kg dry	22000	20	10/22/08	kb	10/23/08	avl
Ethyl(2-chloroisopropyl)ether	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
2-Methylphenol (o-Cresol)	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
3,4-Methylphenol (m,p Cresol)	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
N-Nitrosodi-n-propylamine	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
Hexachloroethane	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
Nitrobenzene	1800 ug/kg dry	1100	20	10/22/08	kb	10/23/08	avl
Isophorone	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
2-Nitrophenol	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
2,4-Dimethylphenol	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
Bis(2-chloroethoxy)methane	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
Benzoic acid	<41000 ug/kg dry	41000	20	10/22/08	kb	10/23/08	avl
1,2,4-Trichlorobenzene	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
2,4-Dichlorophenol	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
4-Chloroaniline	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
Hexachlorobutadiene	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
4-Chloro-3-methylphenol	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
Hexachlorocyclopentadiene	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
2,4,6-Trichlorophenol	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
2,4,5-Trichlorophenol	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
2-Chloronaphthalene	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
2-Nitroaniline	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
Dimethyl phthalate	6900 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
Acenaphthylene	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
2,6-Dinitrotoluene	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
3-Nitroaniline	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
Acenaphthene	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
Dibenzofuran	5900 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
2,4-Dinitrotoluene	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl
4-Nitrophenol	<23000 ug/kg dry	23000	20	10/22/08	kb	10/23/08	avl
2,4-Dinitrophenol	<23000 ug/kg dry	23000	20	10/22/08	kb	10/23/08	avl

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ANALYTICAL RESULTS

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

Trace ID:	T08J214-01	Date Collected:	10/20/08 09:45	Matrix:	Solid
Sample ID:	Haz Roll Off No. 1	Date Received:	10/20/08 12:44		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL	
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS								
Diethyl phthalate	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl	
Fluorene	7400 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl	
4-Chlorophenyl phenyl ether	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl	
4-Nitroaniline	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl	
4,6-Dinitro-2-methylphenol	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl	
N-Nitrosodiphenylamine	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl	
4-Bromophenyl phenyl ether	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl	
Hexachlorobenzene	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl	
Pentachlorophenol	<12000 ug/kg dry	12000	20	10/22/08	kb	10/23/08	avl	
Phenanthrene	25000 ug/kg dry	1100	20	10/22/08	kb	10/23/08	avl	
Anthracene	6300 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl	
Carbazole	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl	
Di-n-butyl phthalate	7700 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl	
Fluoranthene	14000 ug/kg dry	1100	20	10/22/08	kb	10/23/08	avl	
Fyrene	10000 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl	
Ethyl benzyl phthalate	39000 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl	
Ebenzo (a) anthracene	5100 ug/kg dry	1100	20	10/22/08	kb	10/23/08	avl	
Chrysene	5300 ug/kg dry	1100	20	10/22/08	kb	10/23/08	avl	
3,3'-Dichlorobenzidine	<22000 ug/kg dry	22000	20	10/22/08	kb	10/23/08	avl	
Ebis(2-ethylhexyl)phthalate	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl	
Di-n-octyl phthalate	<5600 ug/kg dry	5600	20	10/22/08	kb	10/23/08	avl	
Benzo (b) fluoranthene	4300 ug/kg dry	1100	20	10/22/08	kb	10/23/08	avl	
Benzo (k) fluoranthene	1900 ug/kg dry	1100	20	10/22/08	kb	10/23/08	avl	
Ebenzo (a) pyrene	3200 ug/kg dry	1100	20	10/22/08	kb	10/23/08	avl	
Indeno (1,2,3-cd) pyrene	1900 ug/kg dry	1100	20	10/22/08	kb	10/23/08	avl	
Dibenz (a,h) anthracene	<1100 ug/kg dry	1100	20	10/22/08	kb	10/23/08	avl	
Ebenzo (g,h,i) perylene	1600 ug/kg dry	1100	20	10/22/08	kb	10/23/08	avl	
Surrogates:								
2-Fluorophenol	*	%	38-81	20	10/22/08	kb	10/23/08	avl
Phenol-d5	*	%	32-102	20	10/22/08	kb	10/23/08	avl
Nitrobenzene-d5	*	%	36-98	20	10/22/08	kb	10/23/08	avl
2-Fluorobiphenyl	*	%	44-105	20	10/22/08	kb	10/23/08	avl
2,4,6-Tribromophenol	*	%	38-101	20	10/22/08	kb	10/23/08	avl
Terphenyl-d14	*	%	46-109	20	10/22/08	kb	10/23/08	avl

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ANALYTICAL RESULTS

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

Trace ID:	T08J214-01	Date Collected:	10/20/08 09:45	Matrix:	Solid
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Sample ID:	Haz Roll Off No. 1	Date Received:	10/20/08 12:44		
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PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8270C

Batch: T007749

Pyridine	<0.40 mg/L	0.40	2	10/22/08	kb	10/23/08	avl	5.0
2-Methylphenol (o-Cresol)	<0.050 mg/L	0.050	2	10/22/08	kb	10/23/08	avl	200
3,4-Methylphenol (m,p Cresol) 20b	0.098 mg/L	0.050	2	10/22/08	kb	10/23/08	avl	200
Hexachloroethane	<0.050 mg/L	0.050	2	10/22/08	kb	10/23/08	avl	3.0
Nitrobenzene 2 mfl	0.032 mg/L	0.020	2	10/22/08	kb	10/23/08	avl	2.0
Hexachlorobutadiene	<0.050 mg/L	0.050	2	10/22/08	kb	10/23/08	avl	0.50
2,4,6-Trichlorophenol	<0.020 mg/L	0.020	2	10/22/08	kb	10/23/08	avl	2.0
2,4,5-Trichlorophenol	<0.050 mg/L	0.050	2	10/22/08	kb	10/23/08	avl	400
2,4-Dinitrotoluene	<0.050 mg/L	0.050	2	10/22/08	kb	10/23/08	avl	0.13
Hexachlorobenzene	<0.050 mg/L	0.050	2	10/22/08	kb	10/23/08	avl	0.13
Pentachlorophenol	<0.10 mg/L	0.10	2	10/22/08	kb	10/23/08	avl	100
Surrogates:								
2-Fluorophenol	49 %	20-53	2	10/22/08	kb	10/23/08	avl	
Phenol-d5	31 %	11-40	2	10/22/08	kb	10/23/08	avl	
Nitrobenzene-d5	84 %	36-103	2	10/22/08	kb	10/23/08	avl	
2-Fluorobiphenyl	86 %	36-119	2	10/22/08	kb	10/23/08	avl	
2,4,6-Tribromophenol	97 %	30-105	2	10/22/08	kb	10/23/08	avl	
Terphenyl-d14	91 %	37-109	2	10/22/08	kb	10/23/08	avl	

PESTICIDES/PCBS, TCLP

404

Analysis Method: EPA 8081A

Batch: T007750

Chlordane	<0.0050 mg/L	0.0050	10	10/22/08	kb	10/25/08	tim	0.030
Endrin	<0.0010 mg/L	0.0010	10	10/22/08	kb	10/25/08	tim	0.020
gamma-BHC (Lindane)	<0.0010 mg/L	0.0010	10	10/22/08	kb	10/25/08	tim	0.40
Heptachlor	<0.0010 mg/L	0.0010	10	10/22/08	kb	10/27/08	tim	0.0080
Heptachlor epoxide	<0.0010 mg/L	0.0010	10	10/22/08	kb	10/25/08	tim	0.0080
Methoxychlor	<0.0010 mg/L	0.0010	10	10/22/08	kb	10/27/08	tim	10
Toxaphene	<0.050 mg/L	0.050	10	10/22/08	kb	10/25/08	tim	0.50
Surrogates:								
Tetrachloro-m-xylene	*	%	38-94	10	10/22/08	kb	10/25/08	tim
Decachlorobiphenyl	*	%	40-93	10	10/22/08	kb	10/25/08	tim

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ANALYTICAL RESULTS

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

Trace ID:	T08J214-01	Date Collected:	10/20/08 09:45	Matrix:	Solid		
Sample ID:	Haz Roll Off No. 1	Date Received:	10/20/08 12:44				
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL

HERBICIDES, TCLP

Analysis Method: EPA 8151A

Batch: T007751

2,4-D	<0.050 mg/L	0.050	1	10/22/08	kb	10/23/08	tim	N	10
2,4,5-TP (Silvex)	<0.025 mg/L	0.025	1	10/22/08	kb	10/23/08	tim	N	1.0
Surrogates:									
2,4-Dichlorophenylacetic acid	72 %	39-125	1	10/22/08	kb	10/27/08	tim	N	

METALS, TOTAL

Analysis Method: EPA 6010B

Batch: T007719

Barium	3400 mg/kg dry	3.7	1	10/21/08	sm	10/21/08	jm	
Cadmium	430 mg/kg dry	0.74	1	10/21/08	sm	10/21/08	jm	229
Chromium	8400 mg/kg dry	3.7	1	10/21/08	sm	10/21/08	jm	
Lead	35000 mg/kg dry	74	20	10/21/08	sm	10/22/08	jm	

Analysis Method: EPA 6020

Batch: T007719

Arsenic	4400 mg/kg dry	1.9	50	10/21/08	sm	10/22/08	jm
Selenium	6.7 mg/kg dry	0.74	10	10/21/08	sm	10/21/08	jm
Silver	21 mg/kg dry	0.37	10	10/21/08	sm	10/21/08	jm

Analysis Method: EPA 7471A

Batch: T007719

Mercury	970 mg/kg dry	37	2000	10/21/08	sm	10/23/08	jm
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METALS, TCLP

Analysis Method: EPA 6010B

Batch: T007726

Arsenic	<0.30 mg/L	0.30	1	10/21/08	sm	10/21/08	jm	5.0
Barium	100 mg/L	1.1 mg/L	1.0	10/21/08	sm	10/21/08	jm	100
Cadmium	0.5 mg/L	0.33 mg/L	0.10	10/21/08	sm	10/21/08	jm	1.0
Chromium	<0.50 mg/L	0.50	1	10/21/08	sm	10/21/08	jm	5.0
Lead	<0.50 mg/L	0.50	1	10/21/08	sm	10/21/08	jm	5.0
Selenium	<0.60 mg/L	0.60	1	10/21/08	sm	10/21/08	jm	1.0
Silver	<0.10 mg/L	0.10	1	10/21/08	sm	10/21/08	jm	205

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ANALYTICAL RESULTS

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

Trace ID:	T08J214-01	Date Collected:	10/20/08 09:45	Matrix:	Solid
Sample ID:	Haz Roll Off No. 1	Date Received:	10/20/08 12:44		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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METALS, TCLP

Analysis Method: EPA 7470A

Batch: T007746											
Mercury	0.2	*	1.4 mg/L	0.050	10	10/22/08	sm	10/24/08	jim		0.20
Haz Mercury											

WET CHEMISTRY

Analysis Method: % Calculation

Batch: T007717											
% Solids		59 % by Wt.	0.10	1	10/20/08	da	10/21/08	da	N		

Analysis Method: EPA 1010

Batch: T007787											
Flashpoint		> 200 °F	1.0	1	10/23/08	jn	10/23/08	jn			

Analysis Method: EPA 9012B

Batch: T007755											
Cyanide (total)		130 mg/kg dry	1.2	10	10/22/08	da	10/22/08	da	N		

Analysis Method: EPA 9045C

Batch: T007778											
Corrosivity-pH		8.8 pH Units		1	10/23/08	da	10/23/08	da	N		

Analysis Method: EPA Chapter 7.3

Batch: T007721											
Cyanide, Reactive		8.1 mg/kg dry	0.50	1	10/21/08	da	10/22/08	da	203		
Sulfide, Reactive		<7.2 mg/kg dry	7.2	1	10/21/08	da	10/21/08	da	401, N		

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ANALYTICAL RESULTS

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

Trace ID:	T08J214-02	Date Collected:	10/20/08 09:50	Matrix:	Solid
Sample ID:	Haz Roll Off No. 2 & 3	Date Received:	10/20/08 12:44		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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VOLATILE ORGANIC COMPOUNDS BY GC-MS

402

Analysis Method: EPA 8260B

Batch: T007763

Dichlorodifluoromethane	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
Chloromethane	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
Vinyl chloride	<450 ug/kg dry	450	500	10/22/08	jp	10/22/08	jp
Bromomethane	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
Chloroethane	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
Trichlorofluoromethane	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
Diethyl ether	<2300 ug/kg dry	2300	500	10/22/08	jp	10/22/08	jp
Tert-butyl alcohol	<28000 ug/kg dry	28000	500	10/22/08	jp	10/22/08	jp
1,1-Dichloroethene	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
Acetone	<8500 ug/kg dry	8500	500	10/22/08	jp	10/22/08	jp
Iodomethane	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
Carbon disulfide	<2800 ug/kg dry	2800	500	10/22/08	jp	10/22/08	jp
Methyl-tert-butyl ether	<2800 ug/kg dry	2800	500	10/22/08	jp	10/22/08	jp
Methylene chloride	<1100 ug/kg dry	1100	500	10/22/08	jp	10/22/08	jp
Acrylonitrile	<1100 ug/kg dry	1100	500	10/22/08	jp	10/22/08	jp
trans-1,2-Dichloroethene	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
1,1-Dichloroethane	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
Diisopropyl Ether	<2800 ug/kg dry	2800	500	10/22/08	jp	10/22/08	jp
2-Butanone	<8500 ug/kg dry	8500	500	10/22/08	jp	10/22/08	jp
cis-1,2-Dichloroethene	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
t-Butyl Ethyl Ether	<2800 ug/kg dry	2800	500	10/22/08	jp	10/22/08	jp
Bromochloromethane	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
Tetrahydrofuran	<11000 ug/kg dry	11000	500	10/22/08	jp	10/22/08	jp
Chloroform	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
1,1,1-Trichloroethane	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
Carbon tetrachloride	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
Benzene	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
1-Amyl Methyl Ether	<2800 ug/kg dry	2800	500	10/22/08	jp	10/22/08	jp
1,2-Dichloroethane	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
Trichloroethene	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
1,2-Dichloropropane	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
Dibromomethane	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
Bromodichloromethane	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
cis-1,3-Dichloropropene	<560 ug/kg dry	560	500	10/22/08	jp	10/22/08	jp
4-Methyl-2-pentanone	<28000 ug/kg dry	28000	500	10/22/08	jp	10/22/08	jp

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ANALYTICAL RESULTS

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

Trace ID:	T08J214-02		Date Collected:	10/20/08 09:50	Matrix:	Solid
Sample ID:	Haz Roll Off No. 2 & 3		Date Received:	10/20/08 12:44		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES MCL
VOLATILE ORGANIC COMPOUNDS BY GC-MS						
Toluene	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
trans-1,3-Dichloropropene	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
1,1,2-Trichloroethane	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
Tetrachloroethylene	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
2-Hexanone	<28000 ug/kg dry	28000	500	10/22/08 jp	10/22/08 jp	
Dibromochloromethane	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
1,2-Dibromoethane (EDB)	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
Chlorobenzene	580 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
1,1,1,2-Tetrachloroethane	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
Ethylbenzene	2200 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
m,p-Xylene	8200 ug/kg dry	1100	500	10/22/08 jp	10/22/08 jp	N
p-Xylene	2600 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	N
Styrene	1200 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
Bromoform	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
Isopropylbenzene	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
1,1,2,2-Tetrachloroethane	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
1,2,3-Trichloropropane	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
trans-1,4-Dichloro-2-butene	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
Bromobenzene	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
n-Propylbenzene	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
1,3,5-Trimethylbenzene	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
t-Butyl Benzene	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
1,2,4-Trimethylbenzene	2700 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
sec-Butylbenzene	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
p-Isopropyltoluene	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
1,3-Dichlorobenzene	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
1,4-Dichlorobenzene	5300000 ug/kg dry	56000	50000	10/22/08 jp	10/22/08 jp	
n-Butylbenzene	580 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
1,2-Dichlorobenzene	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
1,2-Dibromo-3-chloropropane	<1100 ug/kg dry	1100	500	10/22/08 jp	10/22/08 jp	
Hexachloroethane	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	N
1,2,4-Trichlorobenzene	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
Naphthalene	19000 ug/kg dry	2800	500	10/22/08 jp	10/22/08 jp	N
1,2,3-Trichlorobenzene	<560 ug/kg dry	560	500	10/22/08 jp	10/22/08 jp	
2-Methylnaphthalene	<2800 ug/kg dry	2800	500	10/22/08 jp	10/22/08 jp	N
Surrogates:						
1,2-Dichloroethane-d4	86 %	70-133	500	10/22/08 jp	10/22/08 jp	

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ANALYTICAL RESULTS

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

Trace ID:	T08J214-02	Date Collected:	10/20/08 09:50	Matrix:	Solid
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Sample ID:	Haz Roll Off No. 2 & 3	Date Received:	10/20/08 12:44		
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PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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VOLATILE ORGANIC COMPOUNDS BY GC-MS

1,2-Dichloroethane-d4	84 %	70-133	50000	10/22/08	jp	10/22/08	jp
Toluene-d8	101 %	76-125	500	10/22/08	jp	10/22/08	jp
Toluene-d8	101 %	76-125	50000	10/22/08	jp	10/22/08	jp
4-Bromofluorobenzene	99 %	71-123	500	10/22/08	jp	10/22/08	jp
4-Bromofluorobenzene	99 %	71-123	50000	10/22/08	jp	10/22/08	jp
1,2-Dichlorobenzene-d4	107 %	72-123	500	10/22/08	jp	10/22/08	jp
1,2-Dichlorobenzene-d4	102 %	72-123	50000	10/22/08	jp	10/22/08	jp

VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8260B

Batch: T007804

Vinyl chloride	<0.050 mg/L	0.050	50	10/22/08	jp	10/22/08	jp	0.20
1,1-Dichloroethene	<0.050 mg/L	0.050	50	10/22/08	jp	10/22/08	jp	0.70
2-Butanone	<0.25 mg/L	0.25	50	10/22/08	jp	10/22/08	jp	200
Chloroform	<0.050 mg/L	0.050	50	10/22/08	jp	10/22/08	jp	6.0
Carbon tetrachloride	<0.050 mg/L	0.050	50	10/22/08	jp	10/22/08	jp	0.50
Benzene	<0.050 mg/L	0.050	50	10/22/08	jp	10/22/08	jp	0.50
1,2-Dichloroethane	<0.050 mg/L	0.050	50	10/22/08	jp	10/22/08	jp	0.50
Trichloroethene	<0.050 mg/L	0.050	50	10/22/08	jp	10/22/08	jp	0.50
Tetrachloroethene	<0.050 mg/L	0.050	50	10/22/08	jp	10/22/08	jp	0.70
Chlorobenzene	<0.050 mg/L	0.050	50	10/22/08	jp	10/22/08	jp	100
1,4-Dichlorobenzene	7.5 mg/L	63 mg/L	1.0	10/22/08	jp	10/22/08	jp	7.5

Surrogates:

1,2-Dichloroethane-d4	87 %	70-133	50	10/22/08	jp	10/22/08	jp
1,2-Dichloroethane-d4	86 %	70-133	1000	10/22/08	jp	10/22/08	jp
Toluene-d8	100 %	76-125	50	10/22/08	jp	10/22/08	jp
Toluene-d8	96 %	76-125	1000	10/22/08	jp	10/22/08	jp
4-Bromofluorobenzene	100 %	72-123	50	10/22/08	jp	10/22/08	jp
4-Bromofluorobenzene	99 %	72-123	1000	10/22/08	jp	10/22/08	jp
1,2-Dichlorobenzene-d4	102 %	71-123	50	10/22/08	jp	10/22/08	jp
1,2-Dichlorobenzene-d4	103 %	71-123	1000	10/22/08	jp	10/22/08	jp

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ANALYTICAL RESULTS

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

Trace ID:	T08J214-02	Date Collected:	10/20/08 09:50	Matrix:	Solid		
Sample ID:	Haz Roll Off No. 2 & 3	Date Received:	10/20/08 12:44				
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL

SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS

402

Analysis Method: EPA 8270C

Batch: T007752							
Bis(2-chloroethyl)ether	<24000 ug/kg dry	24000	625	10/22/08	kb	10/24/08	avl
2-Chlorophenol	<120000 ug/kg dry	120000	625	10/22/08	kb	10/24/08	avl
Phenol	2400000 ug/kg dry	120000	625	10/22/08	kb	10/24/08	avl
Benzyl alcohol	<490000 ug/kg dry	490000	625	10/22/08	kb	10/24/08	avl
Bis(2-chloroisopropyl)ether	<120000 ug/kg dry	120000	625	10/22/08	kb	10/24/08	avl
2-Methylphenol (o-Cresol)	<120000 ug/kg dry	120000	625	10/22/08	kb	10/24/08	avl
3,4-Methylphenol (m,p Cresol)	<120000 ug/kg dry	120000	625	10/22/08	kb	10/24/08	avl
N-Nitrosodi-n-propylamine	<120000 ug/kg dry	120000	625	10/22/08	kb	10/24/08	avl
Hexachloroethane	<120000 ug/kg dry	120000	625	10/22/08	kb	10/24/08	avl
Nitrobenzene	860 ug/kg dry	390	10	10/22/08	kb	10/23/08	avl
Isophorone	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
2-Nitrophenol	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
2,4-Dimethylphenol	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
Bis(2-chloroethoxy)methane	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
Benzoic acid	<14000 ug/kg dry	14000	10	10/22/08	kb	10/23/08	avl
1,2,4-Trichlorobenzene	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
2,4-Dichlorophenol	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
4-Chloroaniline	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
Hexachlorobutadiene	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
4-Chloro-3-methylphenol	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
Hexachlorocyclopentadiene	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
2,4,6-Trichlorophenol	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
2,4,5-Trichlorophenol	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
2-Chloronaphthalene	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
2-Nitroaniline	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
Dimethyl phthalate	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
Acenaphthylene	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
2,6-Dinitrotoluene	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
3-Nitroaniline	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
Acenaphthene	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
Dibenzofuran	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
2,4-Dinitrotoluene	<1900 ug/kg dry	1900	10	10/22/08	kb	10/23/08	avl
4-Nitrophenol	<7900 ug/kg dry	7900	10	10/22/08	kb	10/23/08	avl
2,4-Dinitrophenol	<7900 ug/kg dry	7900	10	10/22/08	kb	10/23/08	avl

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ANALYTICAL RESULTS

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

Trace ID:	T08J214-02		Date Collected:	10/20/08 09:50	Matrix:	Solid
Sample ID:	Haz Roll Off No. 2 & 3		Date Received:	10/20/08 12:44		
PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES MCL
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS						
Diethyl phthalate	<1900 ug/kg dry	1900	10	10/22/08 kb	10/23/08 kb	avl
Fluorene	<1900 ug/kg dry	1900	10	10/22/08 kb	10/23/08 kb	avl
4-Chlorophenyl phenyl ether	<1900 ug/kg dry	1900	10	10/22/08 kb	10/23/08 kb	avl
4-Nitroaniline	<1900 ug/kg dry	1900	10	10/22/08 kb	10/23/08 kb	avl
4,3-Dinitro-2-methylphenol	<1900 ug/kg dry	1900	10	10/22/08 kb	10/23/08 kb	avl
N-Nitrosodiphenylamine	13000 ug/kg dry	1900	10	10/22/08 kb	10/23/08 kb	avl
4-Bromophenyl phenyl ether	<1900 ug/kg dry	1900	10	10/22/08 kb	10/23/08 kb	avl
Hexachlorobenzene	<1900 ug/kg dry	1900	10	10/22/08 kb	10/23/08 kb	avl
Pentachlorophenol	<4200 ug/kg dry	4200	10	10/22/08 kb	10/23/08 kb	avl
Phenanthrene	620 ug/kg dry	390	10	10/22/08 kb	10/23/08 kb	avl
Anthracene	<1900 ug/kg dry	1900	10	10/22/08 kb	10/23/08 kb	avl
Carbazole	2700 ug/kg dry	1900	10	10/22/08 kb	10/23/08 kb	avl
Di-n-butyl phthalate	17000 ug/kg dry	1900	10	10/22/08 kb	10/23/08 kb	avl
Fluoranthene	<390 ug/kg dry	390	10	10/22/08 kb	10/23/08 kb	avl
Pyrene	<1900 ug/kg dry	1900	10	10/22/08 kb	10/23/08 kb	avl
Butyl benzyl phthalate	<1900 ug/kg dry	1900	10	10/22/08 kb	10/23/08 kb	avl
Benz (a) anthracene	<390 ug/kg dry	390	10	10/22/08 kb	10/23/08 kb	avl
Chrysene	<390 ug/kg dry	390	10	10/22/08 kb	10/23/08 kb	avl
3,3'-Dichlorobenzidine	<7800 ug/kg dry	7800	10	10/22/08 kb	10/23/08 kb	avl N
Bis(2-ethylhexyl)phthalate	<1900 ug/kg dry	1900	10	10/22/08 kb	10/23/08 kb	avl
Di-n-octyl phthalate	<1900 ug/kg dry	1900	10	10/22/08 kb	10/23/08 kb	avl
Benzo (b) fluoranthene	<390 ug/kg dry	390	10	10/22/08 kb	10/23/08 kb	avl
Benzo (k) fluoranthene	<390 ug/kg dry	390	10	10/22/08 kb	10/23/08 kb	avl
Benzo (a) pyrene	<390 ug/kg dry	390	10	10/22/08 kb	10/23/08 kb	avl
Indeno (1,2,3-cd) pyrene	<390 ug/kg dry	390	10	10/22/08 kb	10/23/08 kb	avl
Dibenz (a,h) anthracene	<390 ug/kg dry	390	10	10/22/08 kb	10/23/08 kb	avl
Benzo (g,h,i) perylene	<390 ug/kg dry	390	10	10/22/08 kb	10/23/08 kb	avl
Surrogates:						
2-Fluorophenol	• %	38-81	625	10/22/08 kb	10/24/08 kb	avl 302
Phenol-d5	• %	32-102	625	10/22/08 kb	10/24/08 kb	avl 302
Nitrobenzene-d5	• %	36-98	10	10/22/08 kb	10/23/08 kb	avl 302
2-Fluorobiphenyl	• %	44-105	10	10/22/08 kb	10/23/08 kb	avl 302
2,4,6-Tribromophenol	• %	38-101	10	10/22/08 kb	10/23/08 kb	avl 302
Terphenyl-d14	• %	46-109	10	10/22/08 kb	10/23/08 kb	avl 302

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ANALYTICAL RESULTS

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

Trace ID:	T08J214-02	Date Collected:	10/20/08 09:50	Matrix:	Solid
Sample ID:	Haz Roll Off No. 2 & 3	Date Received:	10/20/08 12:44		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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SEMI-VOLATILE ORGANIC COMPOUNDS, TCLP

Analysis Method: EPA 8270C

Batch: T007749

Fyridine	5 mg/l	0.62 mg/L	0.40	2	10/22/08	kb	10/23/08	avl	5.0
2-Methylphenol (o-Cresol)	200 mg/l	0.061 mg/L	0.050	2	10/22/08	kb	10/23/08	avl	200
3,4-Methylphenol (m,p Cresol)	200 mg/l	0.085 mg/L	0.050	2	10/22/08	kb	10/23/08	avl	200
Hexachloroethane	<0.050 mg/L	0.050	2	10/22/08	kb	10/23/08	avl	3.0	
Nitrobenzene	<0.020 mg/L	0.020	2	10/22/08	kb	10/23/08	avl	2.0	
Hexachlorobutadiene	<0.050 mg/L	0.050	2	10/22/08	kb	10/23/08	avl	0.50	
2,4,6-Trichlorophenol	<0.020 mg/L	0.020	2	10/22/08	kb	10/23/08	avl	2.0	
2,4,5-Trichlorophenol	<0.050 mg/L	0.050	2	10/22/08	kb	10/23/08	avl	400	
2,4-Dinitrotoluene	<0.050 mg/L	0.050	2	10/22/08	kb	10/23/08	avl	0.13	
Hexachlorobenzene	<0.050 mg/L	0.050	2	10/22/08	kb	10/23/08	avl	0.13	
Pentachlorophenol	<0.10 mg/L	0.10	2	10/22/08	kb	10/23/08	avl	100	
Surrogates:									
2-Fluorophenol	44 %	20-53	2	10/22/08	kb	10/23/08	avl		
Phenol-d5	27 %	11-40	2	10/22/08	kb	10/23/08	avl		
Nitrobenzene-d5	65 %	36-103	2	10/22/08	kb	10/23/08	avl		
2-Fluorobiphenyl	67 %	36-119	2	10/22/08	kb	10/23/08	avl		
2,4,6-Tribromophenol	69 %	30-105	2	10/22/08	kb	10/23/08	avl		
Terphenyl-d14	69 %	37-109	2	10/22/08	kb	10/23/08	avl		

PESTICIDES/PCBS, TCLP

404

Analysis Method: EPA 8081A

Batch: T007750

Chlordane	<0.0050 mg/L	0.0050	10	10/22/08	kb	10/25/08	tim	0.030
Endrin	<0.0010 mg/L	0.0010	10	10/22/08	kb	10/25/08	tim	0.020
gamma-BHC (Lindane)	<0.0010 mg/L	0.0010	10	10/22/08	kb	10/25/08	tim	0.40
Heptachlor	<0.0010 mg/L	0.0010	10	10/22/08	kb	10/25/08	tim	0.0080
Heptachlor epoxide	<0.0010 mg/L	0.0010	10	10/22/08	kb	10/25/08	tim	0.0080
Methoxychlor	<0.0010 mg/L	0.0010	10	10/22/08	kb	10/27/08	tim	10
Toxaphene	<0.050 mg/L	0.050	10	10/22/08	kb	10/25/08	tim	0.50
Surrogates:								
Tetrachloro-m-xylene	*	%	38-94	10	10/22/08	kb	10/25/08	tim
Decachlorobiphenyl	*	%	40-93	10	10/22/08	kb	10/25/08	tim

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ANALYTICAL RESULTS

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

Trace ID:	T08J214-02	Date Collected:	10/20/08 09:50	Matrix:	Solid
Sample ID:	Haz Roll Off No. 2 & 3	Date Received:	10/20/08 12:44		

PARAMETERS	RESULTS UNITS	RDL	DILUTION	PREPARED BY	ANALYZED BY	NOTES	MCL
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HERBICIDES, TCLP

Analysis Method: EPA 8151A

Batch: T007751

2,4-D	0.093 mg/L	0.050	1	10/22/08	kb	10/23/08	tim	N	10
2,4,5-TP (Silvex)	<0.025 mg/L	0.025	1	10/22/08	kb	10/23/08	tim	N	1.0
Surrogates: 2,4-Dichlorophenylacetic acid	78 %	39-125	1	10/22/08	kb	10/27/08	tim	N	

METALS, TOTAL

Analysis Method: EPA 6010B

Batch: T007719

Barium	370 mg/kg dry	3.9	1	10/21/08	sm	10/21/08	jm
Cadmium	8.3 mg/kg dry	0.78	1	10/21/08	sm	10/21/08	jm
Chromium	3100 mg/kg dry	3.9	1	10/21/08	sm	10/21/08	jm
Lead	520 mg/kg dry	3.9	1	10/21/08	sm	10/21/08	jm

Analysis Method: EPA 6020

Batch: T007719

Arsenic	54 mg/kg dry	0.39	10	10/21/08	sm	10/21/08	jim
Selenium	2.0 mg/kg dry	0.78	10	10/21/08	sm	10/21/08	jim
Silver	35 mg/kg dry	0.39	10	10/21/08	sm	10/21/08	jim

Analysis Method: EPA 7471A

Batch: T007719

Mercury	420 mg/kg dry	20	1000	10/21/08	sm	10/23/08	jim
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METALS, TCLP

Analysis Method: EPA 6010B

Batch: T007726

Arsenic	<0.30 mg/L	0.30	1	10/21/08	sm	10/21/08	jim	5.0
Barium	<1.0 mg/L	1.0	1	10/21/08	sm	10/21/08	jim	100
Cadmium	<0.10 mg/L	0.10	1	10/21/08	sm	10/21/08	jim	1.0
Chromium <i>5 mg/L</i>	8.1 mg/L	0.50	1	10/21/08	sm	10/21/08	jim	5.0
Lead	<0.50 mg/L	0.50	1	10/21/08	sm	10/21/08	jim	5.0
Selenium	<0.60 mg/L	0.60	1	10/21/08	sm	10/21/08	jim	1.0
Silver	<0.10 mg/L	0.10	1	10/21/08	sm	10/21/08	jim	5.0

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ANALYTICAL RESULTS

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

Trace ID:	T08J214-02	Date Collected:	10/20/08 09:50	Matrix:	Solid
Sample ID:	Haz Roll Off No. 2 & 3	Date Received:	10/20/08 12:44		
PARAMETERS					
METALS, TCLP					
<u>Analysis Method: EPA 7470A</u>					
Batch:	T007746				
Mercury	0.2 mg/l *	10 mg/L	0.50	100	10/22/08 sm 10/24/08 jm 0.20

WET CHEMISTRY

Analysis Method: % Calculation

Batch:	T007717								
'% Solids		85 % by Wt.	0.10	1	10/20/08 da	10/21/08 da	N		

Analysis Method: EPA 1010

Batch:	T007787								
Flashpoint		> 200 °F	1.0	1	10/23/08 jn	10/23/08 jn			

Analysis Method: EPA 9012B

Batch:	T007755								
Cyanide (total)		190 mg/kg dry	12	100	10/22/08 da	10/22/08 da	N		

Analysis Method: EPA 9045C

Batch:	T007778								
Corrosivity-pH		9.7 pH Units		1	10/23/08 da	10/23/08 da	N		

Analysis Method: EPA Chapter 7.3

Batch:	T007721								
Cyanide, Reactive		<0.50 mg/kg dry	0.50	1	10/21/08 da	10/22/08 da			
Sulfide, Reactive		<5.6 mg/kg dry	5.6	1	10/21/08 da	10/21/08 da	401, N		

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QUALITY CONTROL RESULTS

Trace Project ID: T08J214
Client Project ID: USEPA Texas Township Drum / 030281.0014

QC Batch: T007742	Analysis Description: TCLP Extraction, SVOC
QC Batch Method: Leaching procedures	Analysis Method: EPA 1311

Trace Project ID: T08J214
Client Project ID: USEPA Texas Township Drum / 030281.0014

QC Batch: T007719	Analysis Description: Lead, Total
QC Batch Method: EPA 3051 Microwave Assisted Digestions	Analysis Method: EPA 6010B

METHOD BLANK: T007719-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Barium	mg/kg dry	<1.0	1.0	
Cadmium	mg/kg dry	<0.20	0.20	
Chromium	mg/kg dry	<2.0	2.0	
Lead	mg/kg dry	<1.0	1.0	

LABORATORY CONTROL SAMPLE: T007719-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Barium	mg/kg dry	40.0	38.5	96	80-120	
Cadmium	mg/kg dry	40.0	39.3	98	80-120	
Chromium	mg/kg dry	40.0	38.4	96	80-120	
Lead	mg/kg dry	40.0	38.6	97	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007719-MSD1 Original: T08J214-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	MS % Rec	% Rec Limit	RPD	Max RPD	Notes
Barium	mg/kg dry	3440	152	5820	3850	1550	270	75-125	141	20
Cadmium	mg/kg dry	434	152	725	352	189	-54	75-125	361	20
Chromium	mg/kg dry	8390	152	8950	7830	359	-371	75-125	-12200	20
Lead	mg/kg dry	35100	152	28200	27700	4520	-4900	75-125	-8	20

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

QC Batch: T007726	Analysis Description: Arsenic, TCLP
QC Batch Method: EPA 3015 Microwave Assisted Digestions	Analysis Method: EPA 6010B

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METHOD BLANK: T007726-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Lead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	

METHOD BLANK: T007726-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/L	<0.10	0.10	
Arsenic	mg/L	<0.30	0.30	
Barium	mg/L	<1.0	1.0	
Cadmium	mg/L	<0.10	0.10	
Chromium	mg/L	<0.50	0.50	
Lead	mg/L	<0.50	0.50	
Selenium	mg/L	<0.60	0.60	

LABORATORY CONTROL SAMPLE: T007726-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Silver	mg/L	0.0278	<0.10	103	80-120	
Arsenic	mg/L	0.0556	<0.30	102	80-120	
Barium	mg/L	0.889	<1.0	101	80-120	
Cadmium	mg/L	0.0278	<0.10	103	80-120	
Chromium	mg/L	0.0278	<0.50	105	80-120	
Lead	mg/L	0.0556	<0.50	97	80-120	
Selenium	mg/L	0.0556	<0.60	116	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007726-MSD1 Original: T08J214-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Silver	mg/L	0	0.250	0.0278	<0.10	11	16	75-125	38	20	205
Arsenic	mg/L	0	0.500	0.631	0.609	126	122	75-125	4	20	
Barium	mg/L	1.10	8.00	9.04	8.78	99	96	75-125	3	20	
Cadmium	mg/L	0.328	0.250	0.586	0.586	103	103	75-125	0.2	20	
Cadmium	mg/L	0.328	0.250	0.586	0.586	103	103	75-125	0.2	20	

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007726-MSD1 Original: T08J214-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Chromium	mg/L	0.421	0.250	0.669	0.665	99	98	75-125	2	20	
Chromium	mg/L	0.421	0.250	0.669	0.665	99	98	75-125	2	20	
Lead	mg/L	0.438	0.500	0.942	0.897	101	92	75-125	9	20	
Lead	mg/L	0.438	0.500	0.942	0.897	101	92	75-125	9	20	
Selenium	mg/L	0	0.500	0.599	<0.60	120	117	75-125	2	20	

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

QC Batch: T007719	Analysis Description: Selenium, Total
QC Batch Method: EPA 3051 Microwave Assisted Digestions	Analysis Method: EPA 6020

METHOD BLANK: T007719-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Silver	mg/kg dry	<0.10	0.10	
Arsenic	mg/kg dry	<0.10	0.10	
Selenium	mg/kg dry	<0.20	0.20	

LABORATORY CONTROL SAMPLE: T007719-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Silver	mg/kg dry	5.00	5.67	113	80-120	
Arsenic	mg/kg dry	5.00	4.20	84	80-120	
Selenium	mg/kg dry	5.00	4.79	96	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007719-MSD1 Original: T08J214-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Silver	mg/kg dry	21.4	18.9	16.4	9.19	-26	-64	75-125	-85	20	205
Arsenic	mg/kg dry	4390	18.9	4140	5000	-1290	3230	75-125	468	20	223
Selenium	mg/kg dry	6.69	18.9	22.3	23.4	81	88	75-125	8	20	

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

QC Batch: T007746	Analysis Description: Mercury, TCLP
QC Batch Method: EPA 7470A Prep	Analysis Method: EPA 7470A

METHOD BLANK: T007746-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes

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METHOD BLANK: T007746-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/L	<0.010	0.010	

METHOD BLANK: T007746-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/L	<0.010	0.010	

LABORATORY CONTROL SAMPLE: T007746-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	mg/L	0.00200	<0.010	97	80-120	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007746-MSD1 Original: T08J214-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Mercury	mg/L	1.35	0.0500	1.46	1.44	205	164	75-125	22	20	

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

QC Batch: T007719	Analysis Description: Mercury, Total
QC Batch Method: EPA 3051 Microwave Assisted Digestions	Analysis Method: EPA 7471A

METHOD BLANK: T007719-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	mg/kg dry	<0.050	0.050	

LABORATORY CONTROL SAMPLE: T007719-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	mg/kg dry	0.200	0.210	105	77-122	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007719-MSD1 Original: T08J214-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Mercury	mg/kg dry	971	0.758	0.00	<	-126000	-128000	76-123	20	223	

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

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QC Batch: T007741
QC Batch Method: Leaching procedures

Analysis Description: TCLP Extraction, Metals
Analysis Method: EPA 1311

Trace Project ID: T08J214
Client Project ID: USEPA Texas Township Drum / 030281.0014

QC Batch: T007743
QC Batch Method: Leaching procedures

Analysis Description: TCLP ZHE, Volatiles
Analysis Method: EPA 1311

Trace Project ID: T08J214
Client Project ID: USEPA Texas Township Drum / 030281.0014

QC Batch: T007750
QC Batch Method: EPA 3510C Separatory Funnel

Analysis Description: TCLP Pesticides
Analysis Method: EPA 8081A

METHOD BLANK: T007750-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Chlordane	mg/L	<0.00005 0	0.000050	
Endrin	mg/L	<0.00001 0	0.000010	
gamma-BHC (Lindane)	mg/L	<0.00001 0	0.000010	
Heptachlor	mg/L	<0.00001 0	0.000010	
Heptachlor epoxide	mg/L	<0.00001 0	0.000010	
Methoxychlor	mg/L	<0.00001 0	0.000010	
Toxaphene	mg/L	<0.00050	0.00050	
Tetrachloro-m-xylene (S)	%	68	38-94	
Decachlorobiphenyl (S)	%	45	40-93	

LABORATORY CONTROL SAMPLE: T007750-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Endrin	mg/L	0.000050C 1	0.000035	70	31-145	
gamma-BHC (Lindane)	mg/L	0.000050C 7	0.000038	77	38-125	
Heptachlor	mg/L	0.000050C 2	0.000038	76	34-124	
Heptachlor epoxide	mg/L	0.000050C 1	0.000044	88	35-125	
Methoxychlor	mg/L	0.000050C 8	0.000033	68	54-109	
Tetrachloro-m-xylene (S)	%	0.000100 2	0.000071	71	38-94	
Decachlorobiphenyl (S)	%	0.000100 1	0.000046	46	40-93	

Trace Project ID: T08J214
Client Project ID: USEPA Texas Township Drum / 030281.0014

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QC Batch: T007751
QC Batch Method: EPA 8151

Analysis Description: TCLP Herbicides
Analysis Method: EPA 8151A

METHOD BLANK: T007751-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
2,4-D	mg/L	<0.0020	0.0020	
2,4,5-TP (Silvex)	mg/L	<0.0010	0.0010	
2,4-Dichlorophenylacetic acid (S)	%	64	39-125	

LABORATORY CONTROL SAMPLE: T007751-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
2,4-D	mg/L	0.00400	0.00414	104	40-129	
2,4,5-TP (Silvex)	mg/L	0.00400	0.00410	102	56-121	
2,4-Dichlorophenylacetic acid (S)	%	0.00800	0.00905	113	39-125	

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

QC Batch: T007749
QC Batch Method: EPA 3510C Separatory Funnel

Analysis Description: TCLP Semi-Volatiles
Analysis Method: EPA 8270C

METHOD BLANK: T007749-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Pyridine	mg/L	<0.020	0.020	
2-Methylphenol (o-Cresol)	mg/L	<0.0025	0.0025	
3,4-Methylphenol (m,p Cresol)	mg/L	<0.0025	0.0025	
Hexachloroethane	mg/L	<0.0025	0.0025	
Nitrobenzene	mg/L	<0.0010	0.0010	
Hexachlorobutadiene	mg/L	<0.0025	0.0025	
2,4,6-Trichlorophenol	mg/L	<0.0010	0.0010	
2,4,5-Trichlorophenol	mg/L	<0.0025	0.0025	
2,4-Dinitrotoluene	mg/L	<0.0025	0.0025	
Hexachlorobenzene	mg/L	<0.0025	0.0025	
Pentachlorophenol	mg/L	<0.0050	0.0050	
2-Fluorophenol (S)	%	30	20-53	
Phenol-d5 (S)	%	18	11-40	
Nitrobenzene-d5 (S)	%	54	36-103	
2-Fluorobiphenyl (S)	%	58	36-119	
2,4,6-Tribromophenol (S)	%	64	30-105	
Terphenyl-d14 (S)	%	67	37-109	

LABORATORY CONTROL SAMPLE: T007749-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes

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LABORATORY CONTROL SAMPLE: T007749-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Hexachloroethane	mg/L	0.100	0.0690	69	38-85	
Nitrobenzene	mg/L	0.100	0.0695	70	47-99	
Hexachlorobutadiene	mg/L	0.100	0.0743	74	36-93	
2,4,6-Trichlorophenol	mg/L	0.100	0.0743	74	48-106	
2,4-Dinitrotoluene	mg/L	0.100	0.0836	84	39-105	
Hexachlorobenzene	mg/L	0.100	0.0607	61	52-106	
Pentachlorophenol	mg/L	0.100	0.0794	79	38-102	
2-Fluorophenol (S)	%	0.100	0.0455	45	20-53	
Phenol-d5 (S)	%	0.100	0.0289	29	11-40	
Nitrobenzene-d5 (S)	%	0.100	0.0760	76	36-103	
2-Fluorobiphenyl (S)	%	0.100	0.0773	77	36-119	
2,4,6-Tribromophenol (S)	%	0.100	0.0779	78	30-105	
Terphenyl-d14 (S)	%	0.100	0.0839	84	37-109	

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

QC Batch: T007752	Analysis Description: Semi-volatiles, TCL list
QC Batch Method: EPA 3550B Ultrasonic Extraction	Analysis Method: EPA 8270C

METHOD BLANK: T007752-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Bis(2-chloroethyl)ether	ug/kg wet	<100	100	
2-Chlorophenol	ug/kg wet	<330	330	
Phenol	ug/kg wet	<330	330	
1,3-Dichlorobenzene	ug/kg wet	<330	330	
1,4-Dichlorobenzene	ug/kg wet	<330	330	
1,2-Dichlorobenzene	ug/kg wet	<330	330	
Benzyl alcohol	ug/kg wet	<3300	3300	
Bis(2-chloroisopropyl)ether	ug/kg wet	<330	330	
2-Methylphenol (o-Cresol)	ug/kg wet	<330	330	
3,4-Methylphenol (m,p Cresol)	ug/kg wet	<330	330	
N-Nitrosodi-n-propylamine	ug/kg wet	<330	330	
Hexachloroethane	ug/kg wet	<300	300	
Nitrobenzene	ug/kg wet	<330	330	
Isophorone	ug/kg wet	<330	330	
2-Nitrophenol	ug/kg wet	<330	330	
2,4-Dimethylphenol	ug/kg wet	<330	330	
Bis(2-chloroethoxy)methane	ug/kg wet	<330	330	
Benzoic acid	ug/kg wet	<3300	3300	
1,2,4-Trichlorobenzene	ug/kg wet	<330	330	
2,4-Dichlorophenol	ug/kg wet	<330	330	
Naphthalene	ug/kg wet	<330	330	

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METHOD BLANK: T007752-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
4-Chloroaniline	ug/kg wet	<330	330	
Hexachlorobutadiene	ug/kg wet	<160	160	
4-Chloro-3-methylphenol	ug/kg wet	<280	280	
2-Methylnaphthalene	ug/kg wet	<330	330	
Hexachlorocyclopentadiene	ug/kg wet	<330	330	
2,4,6-Trichlorophenol	ug/kg wet	<330	330	
2,4,5-Trichlorophenol	ug/kg wet	<330	330	
2-Chloronaphthalene	ug/kg wet	<330	330	
2-Nitroaniline	ug/kg wet	<830	830	
Dimethyl phthalate	ug/kg wet	<330	330	
Aceraphthiene	ug/kg wet	<330	330	
2,6-Dinitrotoluene	ug/kg wet	<330	330	
3-Nitroaniline	ug/kg wet	<830	830	
Aceraphthene	ug/kg wet	<330	330	
Dibenzofuran	ug/kg wet	<330	330	
2,4-Dinitrotoluene	ug/kg wet	<330	330	
4-Nitrophenol	ug/kg wet	<830	830	
2,4-Dinitrophenol	ug/kg wet	<830	830	
Diethyl phthalate	ug/kg wet	<330	330	
Fluorene	ug/kg wet	<330	330	
4-Chlorophenyl phenyl ether	ug/kg wet	<330	330	
4-Nitroaniline	ug/kg wet	<830	830	
4,6-Dinitro-2-methylphenol	ug/kg wet	<830	830	
N-Nitrosodiphenylamine	ug/kg wet	<330	330	
4-Bromophenyl phenyl ether	ug/kg wet	<330	330	
Hexachlorobenzene	ug/kg wet	<330	330	
Pentachlorophenol	ug/kg wet	<800	800	
Phenanthrene	ug/kg wet	<330	330	
Anthracene	ug/kg wet	<330	330	
Carbazole	ug/kg wet	<330	330	
Di-n-butyl phthalate	ug/kg wet	<330	330	
Fluoranthene	ug/kg wet	<330	330	
Pyrene	ug/kg wet	<330	330	
Butyl benzyl phthalate	ug/kg wet	<330	330	
Benz(a)anthracene	ug/kg wet	<330	330	
Chrysene	ug/kg wet	<330	330	
3,3'-Dichlorobenzidine	ug/kg wet	<2000	2000	
Bis(2-ethylhexyl)phthalate	ug/kg wet	<330	330	
Di-n-octyl phthalate	ug/kg wet	<330	330	
Benz(b)fluoranthene	ug/kg wet	<330	330	
Benz(k)fluoranthene	ug/kg wet	<330	330	
Benz(a)pyrene	ug/kg wet	<330	330	
Indeno(1,2,3-cd)pyrene	ug/kg wet	<330	330	
Dibenzo(a,h)anthracene	ug/kg wet	<330	330	
Benzo(g,h,i)perylene	ug/kg wet	<330	330	

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METHOD BLANK: T007752-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
2-Fluorophenol (S)	%	68	38-81	
Phenol-d5 (S)	%	69	32-102	
Nitrobenzene-d5 (S)	%	68	36-98	
2-Fluorobiphenyl (S)	%	69	44-105	
2,4,3-Tribromophenol (S)	%	82	38-101	
Terphenyl-d14 (S)	%	84	46-109	

LABORATORY CONTROL SAMPLE: T007752-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Bis(2-chloroethyl)ether	ug/kg wet	3320	2060	62	49-95	
2-Chlorophenol	ug/kg wet	3320	2090	63	49-93	
Phenol	ug/kg wet	3320	1810	55	40-90	
1,3-Dichlorobenzene	ug/kg wet	3320	2150	65	52-88	
1,4-Dichlorobenzene	ug/kg wet	3320	2150	65	37-106	
1,2-Dichlorobenzene	ug/kg wet	3320	2190	66	50-88	
Bis(2-chloroisopropyl)ether	ug/kg wet	3320	2080	63	47-97	
N-Nitrosodi-n-propylamine	ug/kg wet	3320	2280	69	51-106	
Hexachloroethane	ug/kg wet	3320	2160	65	52-96	
Nitrobenzene	ug/kg wet	3320	2130	64	55-95	
Isophorone	ug/kg wet	3320	2380	72	52-93	
2-Nitrophenol	ug/kg wet	3320	2230	67	40-168	
2,4-Dimethylphenol	ug/kg wet	3320	1430	43	16-80	
Bis(2-chloroethoxy)methane	ug/kg wet	3320	2210	66	46-100	
1,2,4-Trichlorobenzene	ug/kg wet	3320	2120	64	49-100	
2,4-Dichlorophenol	ug/kg wet	3320	2210	67	58-115	
Naphthalene	ug/kg wet	3320	2150	65	59-91	
Hexachlorobutadiene	ug/kg wet	3320	2310	70	56-97	
4-Chloro-3-methylphenol	ug/kg wet	3320	2170	65	50-96	
2,4,6-Trichlorophenol	ug/kg wet	3320	2050	62	63-116	812
2-Chloronaphthalene	ug/kg wet	3320	2290	69	54-96	
Dimethyl phthalate	ug/kg wet	3320	2140	64	61-105	
Acenaphthylene	ug/kg wet	3320	2420	73	49-94	
2,6-Dinitrotoluene	ug/kg wet	3320	2230	67	47-148	
Acenaphthene	ug/kg wet	3320	2300	69	52-105	
2,4-Dinitrotoluene	ug/kg wet	3320	2290	69	51-108	
4-Nitrophenol	ug/kg wet	3320	1990	60	22-112	
2,4-Dinitrophenol	ug/kg wet	3320	2150	65	56-159	
Dieethyl phthalate	ug/kg wet	3320	2180	66	58-104	
Fluorene	ug/kg wet	3320	2240	68	58-106	
4-Chlorophenyl phenyl ether	ug/kg wet	3320	2110	64	59-104	
4,6-Dinitro-2-methylphenol	ug/kg wet	3320	2150	65	65-149	

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LABORATORY CONTROL SAMPLE: T007752-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
4-Bromophenyl phenyl ether	ug/kg wet	3320	1990	60	62-110	812
Hexachlorobenzene	ug/kg wet	3320	1680	50	64-101	812
Pentachlorophenol	ug/kg wet	3320	1970	59	30-111	
Phenanthenrene	ug/kg wet	3320	2180	66	61-108	
Anthracene	ug/kg wet	3320	2300	69	57-106	
Di-n-butyl phthalate	ug/kg wet	3320	2230	67	57-109	
Fluoranthene	ug/kg wet	3320	2340	70	54-129	
Pyrene	ug/kg wet	3320	2410	72	47-114	
Butyl benzyl phthalate	ug/kg wet	3320	2490	75	60-116	
Benzo (a) anthracene	ug/kg wet	3320	2340	70	58-114	
Chrysene	ug/kg wet	3320	2540	76	52-123	
Bis(2-ethylhexyl)phthalate	ug/kg wet	3320	2200	66	49-121	
Di-n-octyl phthalate	ug/kg wet	3320	2210	67	50-146	
Benzo (b) fluoranthene	ug/kg wet	3320	2440	74	47-142	
Benzo (k) fluoranthene	ug/kg wet	3320	2370	71	53-126	
Benzo (a) pyrene	ug/kg wet	3320	2330	70	56-121	
Indeno (1,2,3-cd) pyrene	ug/kg wet	3320	2620	79	51-123	
Dibenz (a,h) anthracene	ug/kg wet	3320	2550	77	52-131	
Benzo (g,h,i) perylene	ug/kg wet	3320	2420	73	45-116	
2-Fluorophenol (S)	%	3320	2230	67	38-81	
Phenol-d5 (S)	%	3320	2260	68	32-102	
Nitrobenzene-d5 (S)	%	3320	2290	69	36-98	
2-Fluorobiphenyl (S)	%	3320	2310	70	44-105	
2,4,6-Tribromophenol (S)	%	3320	2420	73	38-101	
Terphenyl-d14 (S)	%	3320	2330	70	46-109	

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

QC Batch: T007763

QC Batch Method: EPA 5035 Purge-and-Trap for Solids and

Analysis Description: Volatiles, Full MDEQ+ List

Analysis Method: EPA 8260B

METHOD BLANK: T007763-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Dichlorodifluoromethane	ug/kg wet	<250	250	
Chlormethane	ug/kg wet	<250	250	
Vinyl chloride	ug/kg wet	<40	40	
Bromomethane	ug/kg wet	<200	200	
Chloroethane	ug/kg wet	<250	250	
Trichlorofluoromethane	ug/kg wet	<100	100	
Diethyl ether	ug/kg wet	<200	200	

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METHOD BLANK: T007763-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Tert-butyl alcohol	ug/kg wet	<2500	2500	
1,1-Dichloroethene	ug/kg wet	<50	50	
Acetone	ug/kg wet	<1000	1000	
Iodomethane	ug/kg wet	<100	100	
Carbon disulfide	ug/kg wet	<250	250	
Methyl-tert-butyl ether	ug/kg wet	<250	250	
Methylene chloride	ug/kg wet	<250	250	
Acrylonitrile	ug/kg wet	<100	100	
trans-1,2-Dichloroethene	ug/kg wet	<50	50	
1,1-Dichloroethane	ug/kg wet	<50	50	
Diisopropyl Ether	ug/kg wet	<250	250	
2-Butanone	ug/kg wet	<750	750	
cis-1,2-Dichloroethene	ug/kg wet	<50	50	
t-Butyl Ethyl Ether	ug/kg wet	<250	250	
Bromoform	ug/kg wet	<100	100	
Tetrahydrofuran	ug/kg wet	<1000	1000	
Chloroform	ug/kg wet	<50	50	
1,1,1-Trichloroethane	ug/kg wet	<50	50	
Carbon tetrachloride	ug/kg wet	<50	50	
Benzene	ug/kg wet	<50	50	
t-Amyl Methyl Ether	ug/kg wet	<250	250	
1,2-Dichloroethane	ug/kg wet	<50	50	
Trichloroethene	ug/kg wet	<50	50	
1,2-Dichloropropane	ug/kg wet	<50	50	
Dibromomethane	ug/kg wet	<250	250	
Bromo-dichloromethane	ug/kg wet	<100	100	
cis-1,3-Dichloropropene	ug/kg wet	<50	50	
4-Methyl-2-pentanone	ug/kg wet	<2500	2500	
Toluene	ug/kg wet	<100	100	
trans-1,3-Dichloropropene	ug/kg wet	<50	50	
1,1,2-Trichloroethane	ug/kg wet	<50	50	
Tetrachloroethene	ug/kg wet	<50	50	
2-Hexanone	ug/kg wet	<2500	2500	
Dibromochloromethane	ug/kg wet	<100	100	
1,2-Dibromoethane (EDB)	ug/kg wet	<50	50	
Chlorobenzene	ug/kg wet	<50	50	
1,1,1,2-Tetrachloroethane	ug/kg wet	<100	100	
Ethylbenzene	ug/kg wet	<50	50	
m,p-Xylene	ug/kg wet	<100	100	
o-Xylene	ug/kg wet	<50	50	
Styrene	ug/kg wet	<50	50	
Bromoform	ug/kg wet	<100	100	
Isopropylbenzene	ug/kg wet	<250	250	
1,1,2,2-Tetrachloroethane	ug/kg wet	<50	50	
1,2,3-Trichloropropane	ug/kg wet	<100	100	

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METHOD BLANK: T007763-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
trans-1,4-Dichloro-2-butene	ug/kg wet	<50	50	
Bromobenzene	ug/kg wet	<100	100	
n-Propylbenzene	ug/kg wet	<100	100	
1,3,5-Trimethylbenzene	ug/kg wet	<100	100	
t-Butyl Benzene	ug/kg wet	<50	50	
1,2,4-Trimethylbenzene	ug/kg wet	<100	100	
sec-Butylbenzene	ug/kg wet	<50	50	
p-Isopropyltoluene	ug/kg wet	<100	100	
1,3-Dichlorobenzene	ug/kg wet	<100	100	
1,4-Dichlorobenzene	ug/kg wet	<100	100	
n-Butylbenzene	ug/kg wet	<50	50	
1,2-Dichlorobenzene	ug/kg wet	<100	100	
1,2-Dibromo-3-chloropropane	ug/kg wet	<100	100	
Hexachloroethane	ug/kg wet	<100	100	
1,2,4-Trichlorobenzene	ug/kg wet	<330	330	
Naphthalene	ug/kg wet	<330	330	
1,2,3-Trichlorobenzene	ug/kg wet	<250	250	
2-Methylnaphthalene	ug/kg wet	<330	330	
1,2-Dichloroethane-d4 (S)	%	96	70-133	
Toluene-d8 (S)	%	100	76-125	
4-Bromofluorobenzene (S)	%	94	71-123	
1,2-Dichlorobenzene-d4 (S)	%	94	72-123	

LABORATORY CONTROL SAMPLE: T007763-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Dichlorodifluoromethane	ug/kg wet	1000	718	72	46-153	
Chloromethane	ug/kg wet	1000	1160	116	42-162	
Vinyl chloride	ug/kg wet	1000	906	91	47-184	
Bromomethane	ug/kg wet	1000	962	96	34-189	
Chloroethane	ug/kg wet	1000	1010	101	74-151	
Trichlorofluoromethane	ug/kg wet	1000	1040	104	71-172	
1,1-Dichloroethene	ug/kg wet	1000	952	95	64-156	
Acetone	ug/kg wet	1000	1220	122	70-130	
Iodo methane	ug/kg wet	1000	1000	100	70-130	
Carbon disulfide	ug/kg wet	1000	1010	101	70-130	
Methylene chloride	ug/kg wet	1000	880	88	38-167	
trans-1,2-Dichloroethene	ug/kg wet	1000	996	100	62-142	
1,1-Dichloroethane	ug/kg wet	1000	945	94	62-120	
2-Butanone	ug/kg wet	1000	1080	108	70-130	
cis-1,2-Dichloroethene	ug/kg wet	1000	880	88	80-120	
Bromochloromethane	ug/kg wet	1000	929	93	80-120	
Chloroform	ug/kg wet	1000	924	92	80-120	

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LABORATORY CONTROL SAMPLE: T007763-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
1,1,1-Trichloroethane	ug/kg wet	1000	936	94	83-128	
Carbon tetrachloride	ug/kg wet	1000	928	93	79-141	
Benzene	ug/kg wet	1000	946	95	80-120	
1,2-Dichloroethane	ug/kg wet	1000	922	92	80-120	
Trichloroethene	ug/kg wet	1000	872	87	69-133	
1,2-Dichloropropane	ug/kg wet	1000	922	92	80-120	
Dibromomethane	ug/kg wet	1000	934	93	80-120	
Bromo dichloromethane	ug/kg wet	1000	874	87	80-120	
cis-1,3-Dichloropropene	ug/kg wet	1000	1010	101	73-121	
4-Methyl-2-pentanone	ug/kg wet	1000	<2500	95	70-130	
Toluene	ug/kg wet	1000	980	98	80-120	
trans-1,3-Dichloropropene	ug/kg wet	1000	1070	107	73-118	
1,1,2-Trichloroethane	ug/kg wet	1000	906	91	80-120	
Tetrachloroethene	ug/kg wet	1000	884	88	70-120	
2-Hexanone	ug/kg wet	1000	<2500	96	70-130	
Dibromochloromethane	ug/kg wet	1000	910	91	76-116	
1,2-Dibromoethane (EDB)	ug/kg wet	1000	918	92	78-113	
Chlorobenzene	ug/kg wet	1000	933	93	80-120	
1,1,1,2-Tetrachloroethane	ug/kg wet	1000	908	91	77-120	
Ethylbenzene	ug/kg wet	1000	966	97	78-120	
m,p-Xylene	ug/kg wet	2000	1950	98	78-122	
o-Xylene	ug/kg wet	1000	940	94	78-122	
Styrene	ug/kg wet	1000	936	94	76-121	
Bromoform	ug/kg wet	1000	893	89	71-115	
Isopropylbenzene	ug/kg wet	1000	892	89	78-127	
1,1,2,2-Tetrachloroethane	ug/kg wet	1000	998	100	81-124	
1,2,3-Trichloropropane	ug/kg wet	1000	834	83	69-116	
Bromobenzene	ug/kg wet	1000	932	93	80-120	
n-Propylbenzene	ug/kg wet	1000	1050	105	76-123	
1,3,5-Trimethylbenzene	ug/kg wet	1000	1000	100	81-125	
t-Butyl Benzene	ug/kg wet	1000	977	98	72-129	
1,2,4-Trimethylbenzene	ug/kg wet	1000	970	97	79-129	
sec-Butylbenzene	ug/kg wet	1000	1010	101	73-133	
p-Isopropyltoluene	ug/kg wet	1000	960	96	76-129	
1,3-Dichlorobenzene	ug/kg wet	1000	942	94	80-120	
1,4-Dichlorobenzene	ug/kg wet	1000	904	90	80-120	
n-Butylbenzene	ug/kg wet	1000	902	90	81-127	
1,2-Dichlorobenzene	ug/kg wet	1000	938	94	80-120	
1,2-Dibromo-3-chloropropane	ug/kg wet	1000	856	86	58-123	
1,2,4-Trichlorobenzene	ug/kg wet	1000	979	98	74-116	
Naphthalene	ug/kg wet	1000	936	94	63-118	

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LABORATORY CONTROL SAMPLE: T007763-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
1,2,3-Trichlorobenzene	ug/kg wet	1000	1010	101	74-114	
1,2-Dichloroethane-d4 (S)	%	30.0	27.6	92	70-133	
Toluene-d8 (S)	%	30.0	29.8	99	76-125	
4-Bromofluorobenzene (S)	%	30.0	28.4	95	71-123	
1,2-Dichlorobenzene-d4 (S)	%	30.0	29.4	98	72-123	

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

QC Batch: T007804	Analysis Description: TCLP Volatiles
QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous	Analysis Method: EPA 8260B

METHOD BLANK: T007804-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Vinyl chloride	mg/L	<0.050	0.050	
1,1-Dichloroethene	mg/L	<0.050	0.050	
2-Butanone	mg/L	<0.25	0.25	
Chloroform	mg/L	<0.050	0.050	
Carbon tetrachloride	mg/L	<0.050	0.050	
Benzene	mg/L	<0.050	0.050	
1,2-Dichloroethane	mg/L	<0.050	0.050	
Trichloroethene	mg/L	<0.050	0.050	
Tetrachloroethene	mg/L	<0.050	0.050	
Chlorobenzene	mg/L	<0.050	0.050	
1,4-Dichlorobenzene	mg/L	<0.050	0.050	
1,2-Dichloroethane-d4 (S)	%	96	70-133	
Toluene-d8 (S)	%	100	76-125	
4-Bromofluorobenzene (S)	%	94	72-123	
1,2-Dichlorobenzene-d4 (S)	%	94	71-123	

LABORATORY CONTROL SAMPLE: T007804-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Vinyl chloride	mg/L	0.0200	<0.050	91	47-184	
1,1-Dichloroethene	mg/L	0.0200	<0.050	95	64-156	
2-Butanone	mg/L	0.0200	<0.25	108	70-130	
Chloroform	mg/L	0.0200	<0.050	92	80-120	
Carbon tetrachloride	mg/L	0.0200	<0.050	93	79-141	
Benzene	mg/L	0.0200	<0.050	95	80-120	
1,2-Dichloroethane	mg/L	0.0200	<0.050	92	80-120	
Trichloroethene	mg/L	0.0200	<0.050	87	69-133	
Tetrachloroethene	mg/L	0.0200	<0.050	88	70-120	

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LABORATORY CONTROL SAMPLE: T007804-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Chlorobenzene	mg/L	0.0200	<0.050	93	80-120	
1,4-Dichlorobenzene	mg/L	0.0200	<0.050	90	80-120	
1,2-Dichloroethane-d4 (S)	%	30.0	27.6	92	70-133	
Toluene-d8 (S)	%	30.0	29.8	99	76-125	
4-Bromofluorobenzene (S)	%	30.0	28.4	95	72-123	
1,2-Dichlorobenzene-d4 (S)	%	30.0	29.4	98	71-123	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007804-MSD1 Original: T08J214-02RE1

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Vinyl chloride	mg/L	0	20.0	17.4	16.8	87	84	60-153	3	13	
1,1-Dichloroethene	mg/L	0	20.0	18.6	18.2	93	91	60-146	2	15	
2-Eutanone	mg/L	0.0720	20.0	20.8	21.1	104	105	60-140	1	23	
Chloroform	mg/L	0	20.0	17.5	17.0	88	85	68-124	3	13	
Carbon tetrachloride	mg/L	0	20.0	16.8	16.6	84	83	68-125	1	12	
Benzene	mg/L	0	20.0	19.3	18.6	96	93	78-114	4	11	
1,2-Dichloroethane	mg/L	0	20.0	17.0	16.9	85	85	63-132	0.2	11	
Trichloroethene	mg/L	0	20.0	17.6	16.9	88	84	70-117	4	14	
Tetrachloroethene	mg/L	0	20.0	17.9	17.2	90	86	57-126	4	12	
Chlorobenzene	mg/L	0	20.0	19.2	18.3	96	92	75-116	5	12	
1,4-Dichlorobenzene	mg/L	62.8	20.0	82.1	78.7	97	80	69-118	19	18	207
1,2-Dichloroethane-d4 (S)	%		30.0	25.6	26.0	85	87	70-133			
Toluene-d8 (S)	%		30.0	30.3	29.5	101	98	76-125			
4-Bromofluorobenzene (S)	%		30.0	30.0	30.2	100	101	72-123			
1,2-Dichlorobenzene-d4 (S)	%		30.0	31.2	30.4	104	101	71-123			

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

QC Batch: T007813	Analysis Description: TCLP Volatiles
QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous	Analysis Method: EPA 8260B

METHOD BLANK: T007813-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Vinyl chloride	mg/L	<0.050	0.050	
1,1-Dichloroethene	mg/L	<0.050	0.050	
2-Butanone	mg/L	<0.25	0.25	
Chloroform	mg/L	<0.050	0.050	
Carbon tetrachloride	mg/L	<0.050	0.050	
Benzene	mg/L	<0.050	0.050	
1,2-Dichloroethane	mg/L	<0.050	0.050	

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METHOD BLANK: T007813-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Trichloroethene	mg/L	<0.050	0.050	
Tetrachloroethene	mg/L	<0.050	0.050	
Chlorobenzene	mg/L	<0.050	0.050	
1,4-Dichlorobenzene	mg/L	<0.050	0.050	
1,2-Dichloroethane-d4 (S)	%	97	70-133	
Toluene-d8 (S)	%	95	76-125	
4-Bromo fluorobenzene (S)	%	96	72-123	
1,2-Dichlorobenzene-d4 (S)	%	97	71-123	

LABORATORY CONTROL SAMPLE: T007813-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Vinyl chloride	mg/L	0.0200	<0.050	88	47-184	
1,1-Dichloroethene	mg/L	0.0200	<0.050	85	64-156	
2-Butanone	mg/L	0.0200	<0.25	105	70-130	
Chloroform	mg/L	0.0200	<0.050	88	80-120	
Carbon tetrachloride	mg/L	0.0200	<0.050	88	79-141	
Benzene	mg/L	0.0200	<0.050	89	80-120	
1,2-D chloroethane	mg/L	0.0200	<0.050	91	80-120	
Trichloroethene	mg/L	0.0200	<0.050	85	69-133	
Tetrachloroethene	mg/L	0.0200	<0.050	85	70-120	
Chlorobenzene	mg/L	0.0200	<0.050	91	80-120	
1,4-Dichlorobenzene	mg/L	0.0200	<0.050	92	80-120	
1,2-Dichloroethane-d4 (S)	%	30.0	28.7	96	70-133	
Toluene-d8 (S)	%	30.0	30.1	100	76-125	
4-Bromo fluorobenzene (S)	%	30.0	29.0	97	72-123	
1,2-Dichlorobenzene-d4 (S)	%	30.0	29.7	99	71-123	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007813-MSD1 Original: T08J214-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MS Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Vinyl chloride	mg/L	0	1.00	0.918	0.897	92	90	60-153	2	13	
1,1-Dichloroethene	mg/L	0	1.00	0.904	0.891	90	89	60-146	2	15	
2-Butanone	mg/L	0	1.00	1.14	1.16	114	116	60-140	2	23	
Chloroform	mg/L	0	1.00	0.930	0.944	93	94	68-124	1	13	
Carbon tetrachloride	mg/L	0	1.00	0.930	0.935	93	94	68-125	0.5	12	
Benzene	mg/L	0	1.00	0.891	0.912	89	91	78-114	2	11	
1,2-Dichloroethane	mg/L	0	1.00	0.955	0.948	96	95	63-132	0.7	11	
Trichloroethene	mg/L	0	1.00	0.892	0.862	89	86	70-117	3	14	
Tetrachloroethene	mg/L	0	1.00	0.891	0.858	89	86	57-126	4	12	
Chlorobenzene	mg/L	0	1.00	0.916	0.906	92	91	75-116	1	12	

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007813-MSD1 Original: T08J214-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
1,4-Dichlorobenzene	mg/L	0.142	1.00	1.04	1.05	89	91	69-118	2	18	
1,2-Dichloroethane-d4 (S)	%		30.0	30.1	30.4	100	101	70-133			
Toluene-d8 (S)	%		30.0	29.0	29.6	97	99	76-125			
4-Bromofluorobenzene (S)	%		30.0	27.6	28.2	92	94	72-123			
1,2-Dichlorobenzene-d4 (S)	%		30.0	29.0	29.0	97	97	71-123			

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

QC Batch: T007717

Analysis Description: Solids, Dry Weight

QC Batch Method: % Solids

Analysis Method: % Calculation

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

QC Batch: T007787

Analysis Description: Flash Point (Ignitability)

QC Batch Method: EPA 1010

Analysis Method: EPA 1010

LABORATORY CONTROL SAMPLE: T007787-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Flashpoint	°F	95.0	95.0	100	95-105	

Trace Project ID: T08J214

Client Project ID: USEPA Texas Township Drum / 030281.0014

QC Batch: T007755

Analysis Description: Cyanide, Total

QC Batch Method: EPA 9012B

Analysis Method: EPA 9012B

METHOD BLANK: T007755-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Cyanide (total)	mg/kg wet	<0.20	0.20	

LABORATORY CONTROL SAMPLE: T007755-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Cyanide (total)	mg/kg wet	4.00	4.05	101	81-111	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007755-MSD1 Original: T08J214-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Cyanide (total)	mg/kg dry	127	6.18	218	269	1360	2310	61-126	52	22	223

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Trace Project ID: T08J214
Client Project ID: USEPA Texas Township Drum / 030281.0014

QC Batch: T007778
QC Batch Method: EPA 9045C

Analysis Description: Corrosivity (pH for waste)
Analysis Method: EPA 9045C

SAMPLE DUPLICATE: T007778-DUP1 Original: T08J214-01

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Corrosivity-ph	pH Units	8.78	8.62	2	200	

Trace Project ID: T08J214
Client Project ID: USEPA Texas Township Drum / 030281.0014

QC Batch: T007720
QC Batch Method: EPA Chapter 7.3

Analysis Description: Reactivity - Sulfide
Analysis Method: EPA Chapter 7.3

METHOD BLANK: T007720-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Sulfide, Reactive	mg/kg wet	<5.0	5.0	

LABORATORY CONTROL SAMPLE: T007720-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Sulfide, Reactive	mg/L	0.750	0.784	104	74-126	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007720-MSD1 Original: T08J214-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Sulfide, Reactive	mg/L	0.0288	0.750	0.645	0.725	82	93	52-115	13	27	

Trace Project ID: T08J214
Client Project ID: USEPA Texas Township Drum / 030281.0014

QC Batch: T007721
QC Batch Method: EPA Chapter 7.3

Analysis Description: Reactivity - Cyanide
Analysis Method: EPA Chapter 7.3

METHOD BLANK: T007721-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Cyanide, Reactive	mg/kg wet	<0.50	0.50	

LABORATORY CONTROL SAMPLE: T007721-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Cyanide, Reactive	mg/L	0.200	0.214	107	79-116	

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T007721-MSD1 Original: T08J214-01

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Cyanide, Reactive	mg/L	0.0969	0.200	0.309	0.365	100	134	64-129	29	14	203

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SAMPLE LOG IN CHECKLIST

Date: <u>10-28-08</u>	Client Name: <u>E&M</u>	# of Coolers: <u>1</u>		
Trace ID #: <u>T08J214</u>	Project Name: <u>718</u>	Cooler #: _____		
Logged in by: <u>J. M. Smith</u>				
Cooler Receipt				
Cooler/samples delivered by:	Trace courier <input checked="" type="checkbox"/>	Name of delivery person: <u>Tim B</u>		
	Hand delivered <input type="checkbox"/>	UPS <input type="checkbox"/> DHL <input type="checkbox"/> FED EX <input type="checkbox"/> US Mail <input type="checkbox"/>		
Commercial courier <input type="checkbox"/>				
Did cooler come with a bill of lading?	No <input type="checkbox"/>	<input checked="" type="checkbox"/> Not Applicable		
	Yes <input type="checkbox"/>	Way Bill or Tracking #: _____		
COC Seals present and intact on cooler?	No <input type="checkbox"/>	<input checked="" type="checkbox"/> Not Applicable		
	Yes <input type="checkbox"/>			
Custody seals signed by Client?	No <input type="checkbox"/>	Client custody seal # (if applicable): _____		
	Yes <input type="checkbox"/>			
Coolant and Temperature				
Type of Coolant Used	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Cooler Temperature	Correction Factor <u>+0.5 °C</u>
Slurry w/ crushed, cubed, or chip ice? <input type="checkbox"/>			Date: <u>10-28-08</u>	Time: <u>15:01</u>
Multiple bags of ice around samples? <input type="checkbox"/>			Temperature Blank: _____	°C
Ice Packs/ Blue Ice: <input type="checkbox"/>			Average of 3 samples: <u>18</u>	°C
No Coolant Present: <input checked="" type="checkbox"/>			Melt Water: _____	°C
			Ice still present upon receipt: <input type="checkbox"/>	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No
General				
COC taped to inside of cooler lid?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
All bottles arrived unbroken with labels in good condition?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
Each sample point is in a sealed plastic bag?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
Labels filled out completely?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
All bottle labels agree with Chain of Custody (COC)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
Sufficient sample to run tests requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
pH checked and samples at correct pH?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
Correct preservative added to samples?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
DRO/GRO samples received and appropriate check in form completed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
Air bubbles absent from VOAs?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
COC filled out properly and signed by client?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
COC signed in by TRACE sample custodian?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
Was project manager called and samples discussed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
Contact: _____	Date: _____			
<p>Notes: Had to prepare a neutral preserv. vial for T-Volatile since the one provided was too full. OK per Eric. Per Angie ok to run without receiving our Tcs. on 10/28/08</p>				

CERTIFICATE OF ANALYSIS

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